



Forty-Fourth Annual Report

of

The Hydro-Electric Power Commission of Ontario

1951



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Canada







THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1951

ROBERT H. SAUNDERS, C.B.E., Q.C. Chairman

Hon. George H. Challies, M.L.A. 1st Vice-Chairman

W. Ross Strike, Q.C. 2nd Vice-Chairman

RICHARD L. HEARN, D.ENG.

General Manager

and Chief Engineer

ERNEST B. EASSON, Secretary



LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 30, 1952

THE HONOURABLE LOUIS O. BREITHAUPT

Lieutenant-Governor of Ontario

SIR:

It is my privilege as Chairman of The Hydro-Electric Power Commission of Ontario to present its Forty-fourth Annual Report for the year ended December 31, 1951.

I know that throughout the organization of the Commission there is a keen awareness of the responsibilities that rest with Hydro and the vital part it plays in the life of the Province. In consequence I present this Report with a sense of genuine pride in the success with which the Commission has met the challenge of its responsibilities to the people of this Province during the year. This result has been obtained in large measure through the efforts and teamwork of all levels and groups of the staff of our great enterprise.

I should like to express my appreciation of the Prime Minister's continuing interest in the Commission and its activities. This was exemplified on June 19, 1951, when he named an Advisory Council of nine widely known and highly capable people, comprising eight men and one woman. The members of this Council, drawn from a cross-section of Ontario's life and industry, will, I am sure, provide the Commission with a broad, general viewpoint which will be of great value.

In a year of continued expansion in all fields, when the gross quantity of goods and services produced in Ontario rose by about four per cent, primary

power requirements set a new record, exceeding that of the previous year by eleven per cent. The efforts of all at Hydro were directed towards meeting and, where possible, anticipating these rising requirements.

To ensure adequate service to all its customers, Ontario Hydro brought into service during 1951 nine generating units at four major generating stations. These were the eighth and final unit at Des Joachims, the last six generating units at Chenaux, the first 25-cycle steam-turbo unit at the Richard L. Hearn Station, Toronto, and a 60-cycle steam-turbo unit at the J. Clark Keith Station, Windsor. As a result of the generating capacity added, offset in part by a reduction in the amount of power available from purchased-power sources, the combined dependable peak capacity of all systems increased 211,450 kilowatts or 7.7 per cent.

Of particular interest was the initial operation of the new fuel-electric stations at Toronto and Windsor, the largest to be constructed in Canada. They will, during the ensuing months, add materially to the Commission's power resources. Their contribution in the form of greater security must compensate for the substantially higher cost of electric power derived from steam.

Since the inception of the Hydro's tremendous expansion program in 1945 the dependable peak capacity of all systems has been increased by more than one million kilowatts.

To bring the power from new generating stations to the customers throughout Ontario has required the construction of an extensive network of additional transmission and transformation facilities. During 1951 alone, 413 circuit miles of high-voltage lines were constructed, 11 new transformer stations with a total capacity of 328,000 kilovolt-amperes were completed, and 673,000 kilovolt-amperes of capacity were added to 22 existing transformer stations.

Financial

Hydro's great expansion program to provide Ontario with new generating stations, transmission lines, transformer stations, new rural distribution lines, and other productive assets began over six years ago and has continued unabated. To the end of December 1951 the total expenditure on the program amounted to \$651,054,956 and an additional expenditure of \$322,155,536 had been planned and approved.

The money for this tremendous expansion was provided largely by institutional and private investors through the purchase of bonds issued by and for the Commission in the total sum of \$595,000,000. Of this amount, \$495,000,000 were sold in Canada. It is, therefore, gratifying to record and acknowledge this demonstration of confidence in both the Province and the Commission.

The assets of the Commission after deducting depreciation reserves and provincial grants reached a total of \$1,036,029,755 at the end of 1951. This figure does not include the assets of the 324 associated municipalities. At December 31, 1951, these municipalities had assets amounting to \$329,051,074 including the equity in the Commission's systems.

In keeping with the substantial growth of the assets, the reserves of the Commission for purposes of contingencies, stabilization of rates, and sinking fund increased to \$242,732,559 as at December 31, 1951, and similarly the reserves and surplus of the municipalities at the end of 1951 were \$132,453,575, making a total of Commission and municipal reserves of \$375,186,134.

During 1951 revenues of the Commission from its Southern Ontario and Thunder Bay Systems reached a record total of \$93,921,606. From these revenues \$29,748,801 have been set aside as reserves for depreciation, contingencies, frequency standardization, stabilization of rates, and sinking fund.

In 1951 in accordance with our duty of supplying power at cost, we were able to refund to the cost customers in the Southern Ontario and Thunder Bay Systems a total of \$2,520,899—an amount that will assist them in the financing of expansion and rehabilitation plans. This satisfactory financial result was made possible largely because there has been a ready market for practically every kilowatt-hour available to the Commission. At the same time, during 1951, the Commission did not have to meet substantial increases in cost of power associated with steam generation.

The municipalities operating their own distribution systems under cost or fixed-rate contracts with the Commission numbered 324 in the past year. The earnings of these municipalities in 1951 totalled \$82,311,681.

Frequency Standardization

The Commission's program for standardizing the frequency of its Southern Ontario System proceeded during 1951 with the active co-operation of the municipalities and the Commission's direct industrial customers. More than 449,000 frequency-sensitive items were standardized on behalf of 92,364 customers. In 29 municipalities standardization in advance of the main program has been undertaken by the municipal utilities themselves primarily in order to be able to serve load growth at 60 cycles. This will result in a saving of time and money in the over-all standardization program.

Rural

The year 1951, marking the thirtieth anniversary of the inception of the Provincial Government's far-sighted assistance to rural electrification, served to emphasize the all-important contribution Hydro has made to Ontario's agricultural development and to the welfare and happiness of its rural citizens. The Provincial grant-in-aid amounting to 50 per cent of the capital cost of lines and equipment for the supply of power relates solely to the initial capital investment for distribution facilities in rural operating areas. For the past thirty-year period a total of over \$127 million, including Provincial grant, has been spent by the Commission on rural electrification.

Throughout 1951 the Commission continued its program to bring the benefits of Hydro service to the farm and the farm home. By the end of the year, the number of miles of rural distribution lines had increased from 34,793 to 38,198, and the number of customers, after allowing for the transfer of about 6,000 to municipal systems, showed a net increase of 25,795, so that Hydro was serving a total of 318,606 customers in the Rural Power District at the close of the year.

In 1951, the sum of the 103 coincident monthly peak loads of the rural operating areas reached a maximum of 271,354 kilowatts. This represented an increase of 16.0 per cent over the previous year and nearly 285 per cent over 1941. The average energy consumption in 1951 for farm customers was 287 kilowatt-hours a month as compared with 266 kilowatt-hours in 1950, and 141 kilowatt-hours in 1941. Owing to this substantial increase in the average consumption by farm services, the average cost per kilowatt-hour in 1951 for such services was 1.97 cents. In 1941 it was 2.51 cents. This represents a 10-year decrease in the average cost per kilowatt-hour of 21.5 per cent.

On the basis of the Dominion census of 1941, approximately 47 per cent of the farms of the Province were enjoying the benefits of electricity in 1947. In 1951 this percentage had risen to 85 as calculated on the latest information released from the 1951 census.

Urban and Industrial

The consumption of power by all classes of customer continued to increase. Domestic customers in the municipalities served by the Commission directly or through municipal electrical utilities consumed during 1951 an average of 330 kilowatt-hours per month, an increase of 60.98 per cent over the corresponding period for 1945. The average commercial light customer in these municipalities consumed 940 kilowatt-hours per month, 49.92 per cent more than in 1945. These average figures of consumption are higher than in any previous year and are illustrative of the unsurpassed standard of living that people in Ontario enjoy.

A very significant fact in the rates for domestic and commercial light service is that, despite the upward revisions that have occurred in recent years, the average cost of supplying a kilowatt-hour of domestic energy has decreased from 1.28 cents in 1938 to 1.04 cents in 1951, a decrease of 18.75 per cent. Likewise, the average cost of supplying a kilowatt-hour to commercial light customers has decreased from 1.62 cents in 1938 to 1.40 cents in 1951, a reduction of 13.58 per cent.

The large volume of sales by the Commission in recent years, because it has resulted in a high revenue per unit of plant, has been instrumental in lowering the average cost per kilowatt-hour. However, as desirable power reserves become established and the higher costs of recently constructed facilities are reflected in the cost of power, this average cost per kilowatt-hour will undoubtedly be affected. In particular the higher costs attributable to the operation of the steam generating stations at Toronto and Windsor will come into full effect in 1952 and 1953.

Although average costs per kilowatt-hour have been maintained below those of many previous years, the Commission, with the foregoing factors in mind and confronted with a continuing rise in the costs of labour and materials, is budgeting for higher costs of operation in the years immediately ahead.

There is every indication that the upward trend in the demand for power will continue. The sources of energy from which the Commission can supply this demand at low cost are to be found on the Niagara and St. Lawrence

Rivers. The Commission will do its utmost to ensure the fullest possible development of these resources for the benefit of its customers throughout the Province.

Niagara Project

In January 1951, less than three months after the final ratification of the Niagara Diversion Treaty, the Commission commenced construction of the Sir Adam Beck-Niagara Generating Station No. 2. I should like to pay tribute to the very fine co-operation between the governments of Canada and the United States, which made possible the speedy ratification of this vital Treaty. Without this co-operation, construction of this highly essential project could not have been undertaken.

By recently authorizing the installation of five additional generating units the Commission has given its approval to the full plan outlined in the Engineering section of the accompanying report. This immense hydroelectric generating station, the largest ever undertaken in the history of Ontario Hydro, will, when completed, have an installed capacity of 1,200,000 horsepower.

Construction plans include a power-house adjacent to the existing Sir Adam Beck-Niagara Generating Station No. 1 at Queenston. Two pressure tunnels roughly parallel to each other will extend for part of their $5\frac{1}{2}$ miles of length under the city of Niagara Falls and will convey water from the Niagara River to an open-cut canal. The canal will then convey the water $2\frac{1}{4}$ miles to the forebay of the power-house. Economies have been effected in the construction of the tunnels by making the five access shafts common to both excavations.

The Commission and its contractors have made rapid progress during the year and, I am happy to say, this station is scheduled for initial operation in 1954.

Press and Radio

It is my emphatic belief that one of the fundamental factors in relation to the success of Hydro is the policy of keeping the people of Ontario fully informed at all times on the progress and operations of the Commission. This has been accomplished not only through the Annual Report and other reports released from time to time by the Commission but also through the close co-operation of both the press and radio. I remember with the deepest appreciation the very helpful assistance which Hydro received during 1951 from the daily and weekly newspapers of the Province, magazines, technical press, and also the radio stations.

Personnel

Hydro's substantial accomplishments during the past year have been possible only because of the loyalty and conscientious efforts on the part of the staff, to whom I wish to make grateful acknowledgement. At the end of the year there was a total of 20,079 employees on the Commission's staff, 11,258 having regular status and 8,821 being employed on a temporary basis. In addition, there were 5,855 working for Hydro on the staffs of contractors and consultants.

Again it is my pleasure to record how much I have been aware of the substantial contribution to the welfare of Hydro that my colleagues on the Commission, the Honourable George H. Challies and Mr. W. Ross Strike, Q.C., have made during the past year. I also acknowledge the unceasing efforts of Dr. Richard L. Hearn, the General Manager and Chief Engineer, and of his able associates and the other officers of the Commission in the performance of their work and responsibilities.

Respectfully submitted,

ROBERT H. SAUNDERS,

Chairman

LETTER OF SUBMITTAL BY THE GENERAL MANAGER AND CHIEF ENGINEER

TORONTO, ONTARIO, JUNE 27, 1952

ROBERT H. SAUNDERS, ESQ., C.B.E., Q.C., Chairman, and COMMISSIONERS

SIRS:

I herewith submit the Forty-fourth Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1951.

The Report relates to the Commission's activities in supplying municipal, rural, and direct industrial customers both on behalf of the co-operative systems and under its trusteeship of the Northern Ontario Properties for the Province.

The year has seen new records established in production and consumption. Capacity, revenues, investment, and number of customers served have all increased. It was a year that presented the challenge of new problems but these problems were successfully met.

May I acknowledge the loyalty and industry of the staff who have contributed so effectively to the success of the Commission's operation.

Respectfully submitted,

RICHARD L. HEARN,

General Manager and Chief Engineer

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FORTY-FOURTH ANNUAL REPORT

OF

The Hydro-Electric Power Commission of Ontario

FOREWORD

and Guide to the Report

THE Hydro-Electric Power Commission of Ontario is a corporate body administering a province-wide co-operative enterprise to produce and distribute electric power. The members of the Commission, a Chairman and two Vice-Chairmen, are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One Commissioner must be a member, and two may be members, of the Executive Council.

The Commission was created in 1906 by an enactment of the Ontario Legislature after consideration of recommendations made by advisory commissions which had been appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of the Province.

The Commission operates under the authority of The Power Commission Act (7-Edward VII c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c. 281). It is a separate entity, a self-sustaining public concern endowed by The Power Commission Act with broad powers to produce, buy, and distribute electricity, and to perform certain regulatory functions with respect to the activities of the electrical utility commissions of the member municipalities. The enterprise represented by the Commission is generally known and referred to as the Ontario Hydro.

Historical Note

The history of The Hydro-Electric Power Commission of Ontario since its founding in 1906 may for convenience be divided into two main parts, the dividing point being the death of Sir Adam Beck in 1925. During the whole of the first period, Sir Adam as Chairman was a gifted leader and champion who made Hydro essentially what it remains today. Following the lines which he so well established, the Commission during the years following his death has developed in organization and resources at a rate that its first Chairman might well have thought incredible.

In step with the growth of the enterprise and the extension of its service throughout the Province has gone the integration and consolidation of its component systems. During the thirties the Commission undertook to operate in trust for the Provincial Government what are called the Northern Ontario Properties. These were a group of systems, not interconnected,

2 Foreword

which mainly served mining and pulp-and-paper industries. In the southern part of the Province the process of consolidation of systems begun in 1924 culminated in 1944 in the formation of the Southern Ontario System from the former Niagara, Georgian Bay, and Eastern Ontario Systems.

The growth in demand that marked the latter years of the forties has taxed the power resources of the Commission to the full. In the construction program inaugurated in 1945 every effort has been directed towards meeting and anticipating requirements as they develop. Between the years 1947 and 1950 the dependable peak capacity of the systems was increased by 733,500 kilowatts, principally through the erection of six new generating stations. The year 1951 saw the completion of the largest of these, the great Des Joachims Generating Station, and also the full operation of the new Chenaux Generating Station, both on the Ottawa River. In addition the opening of two fuel-electric generating stations, the Richard L. Hearn Generating Station in Toronto and the J. Clark Keith Generating Station in Windsor, marked a significant step in the Commission's program of power development. These two stations, when each is operating with four units at 60 cycles, will have an installed capacity of 664,000 kilowatts.

The Sir Adam Beck-Niagara Generating Station No. 2 now forms the major capital undertaking of the Commission. Begun in April 1951, it is situated immediately to the west of the former Queenston Generating Station, more recently known as Sir Adam Beck-Niagara Generating Station No. 1.

A major step was taken by the Commission in 1949 when a program of frequency standardization was initiated to convert the Niagara Division of the Southern Ontario System from 25- to 60-cycle operation. This is a large and very complex operation involving many skills and requiring much detailed planning over large areas for extended periods of time.

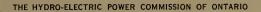
Organization

The organization of the Commission covers three main functions—policy making, policy interpretation, and action. The Commissioners constitute the final authority on policy decisions. The General Manager and Chief Engineer is the principal executive officer and is responsible for the carrying out of Commission policy and decisions, principally through the means of the two main branches of the organization—Engineering and Administration—each of which is headed by an Assistant General Manager.

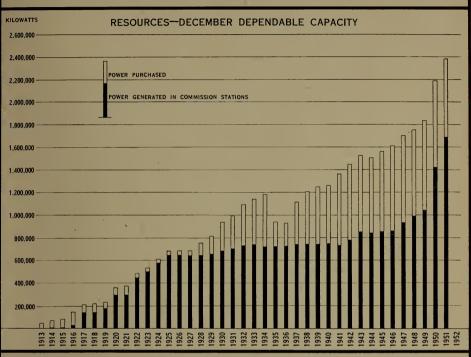
Systems

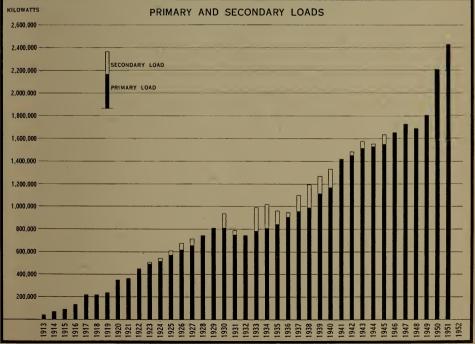
In 1951 three systems were in operation, the Southern Ontario System, the Thunder Bay System, and the Northern Ontario Properties.

The first and second of these are referred to as the co-operative systems. Each serves a group of municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. The Commission also serves directly certain industrial customers and the rural customers within these systems. The Southern Ontario System serves the older and more populous part of Ontario, the triangular peninsula enclosed by Lakes Huron, Erie, and Ontario, and the St. Lawrence and Ottawa Rivers. The Thunder Bay System serves a smaller area at the lakehead on the northwestern shore of Lake Superior.



FORTY YEARS RECORD - SOUTHERN ONTARIO SYSTEM





4 Foreword

The Northern Ontario Properties embraces both the Northeastern Region and the Northwestern Region, excluding the Thunder Bay System. Within the Northeastern Region lie the geographical Districts of Nipissing, Sudbury, Manitoulin, Algoma, Timiskaming, and Cochrane. The various transmission systems serving these districts have been completely integrated since 1949. In 1950 a tie-line between North Bay and the Otto Holden Generating Station, by making possible the interchange of power between the Northern Ontario Properties and the Southern Ontario System, materially increased the security of both systems. In the Northwestern Region the power resources of the Patricia District and those of the Thunder Bay System have been connected. This has made the Patricia District and the areas served by the Thunder Bay System in effect a wholly integrated system.

Financial Features of the Co-operative Systems

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to the municipalities, and by the municipalities to the customers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment, and reserves for depreciation, for contingencies and obsolescence, and for stabilization of rates, but also a reserve for a sinking fund to retire the Commission's capital debt.

The undertaking from its inception has been entirely self-supporting with the exception that the Provincial Government through grants-in-aid provides for 50 per cent of the capital cost of the rural distribution lines. This is done in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

In 1944 rates for rural service were revised. With a few exceptions all townships and 150 of the smaller villages are now served as an amalgamated rural division of Hydro service with a uniform rate structure. Thus, no matter where rural service is supplied in Ontario by Hydro, all rural customers, for the same class of service with the same consumption of electricity, pay the same amount.

The undertaking as a whole involves two distinct phases of operations as follows:

The *first* phase of operations is the provision of power—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to individual municipal utilities, to large industrial customers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario.

The *second* phase of operations is the *retail* distribution of electric energy to customers within the limits of the areas served by the various municipal utilities and throughout the rural areas of the Province. For the consolidated rural power districts the Commission not only provides the power wholesale, but also—on behalf of the respective townships—attends to all physical and financial operations connected with the retail distribution of energy to the customers within the rural operating areas into which the consolidated rural power districts are divided for administrative purposes.

In cities, towns, many villages, and certain thickly populated areas of townships, retail distribution of electric energy provided by the Commission is in general conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act.

Fiscal Period

Formerly the Commission's fiscal year included the period November 1 to October 31. In order that the fiscal year would coincide with the calendar year of January 1 to December 31, the 1950 fiscal period included the fourteen months from November 1, 1949 to December 31, 1950. This 1951 Annual Report of the Commission covers the fiscal period from January 1 to December 31, 1951. Where comparisons are made throughout the Report with statistics of 1950, the 1950 figures have been reduced to a twelve-month basis.

Guide to the Report

Section I, "Operation of the Systems," describes and discusses the production, purchase, and distribution of power during the fiscal year. Details are given of loads carried, demands, water resources, weather conditions, and other factors affecting operations in the three systems. There are also reports on the maintenance of the systems and on forestry work.

Section II, "Financial Statements," contains the Commission's balance sheets, statements of operations, and tables showing the funded debt and advances from the Province of Ontario. These together with supporting schedules to be found in Appendix II give a comprehensive picture of the financial organization and condition of the co-operative systems and the Northern Ontario Properties.

Section III, "The Commission and its Customers," gives a classification of the municipalities and direct customers served by the Commission. It includes tables and graphs depicting the growth in domestic and commercial service within urban municipalities. Reports from the regions relating to municipal activities contain brief notes on such events as the construction of new distribution facilities and the admission of new municipalities. Reports on the Commission's frequency standardization program, direct service to industries, and electrical inspection activities are also included in this section.

Section IV, "Rural Electrical Service," reports on the growth of electrical service throughout rural Ontario. Trends in the cost of this service are graphically presented.

Section V, "Engineering and Construction," tells of the construction of generating and distributing facilities, giving data and descriptions of the more important projects.

Section VI, "Research and Testing Activities," contains reports on the various projects to which some forty panels of engineers and technical men devoted full or part time with a view to increasing the efficiency, economy, and safety of the Commission's operations.

6 FOREWORD

Section VII, "Personnel Administration," is devoted to a brief description of the Commission's staff and of some recent developments affecting its members.

Section VIII, "Municipal Electrical Accounts," is the largest in the Report. In a series of four tabular statements, it presents the balance sheets, operating reports, rates, and consumption statistics of 324 municipalities served by the Commission.

Appendix I—Operations, contains a table of generating station capacities and outputs, and a table showing the loads and consumption of energy of the Commission's municipal customers.

Appendix II—Financial, supports the financial statements contained in Section II.

Appendix III—Rural, gives the details of rural rates.

Appendix IV—Engineering and Construction, provides details on the changes and additions in the Commission's transmission and distribution systems.

Appendix V—Legislative, reproduces amendments to The Power Commission Act and a list of agreements approved.

The attention of the reader is drawn to the comprehensive index at the end of the Report.

SECTION I

OPERATION OF THE SYSTEMS

Additions to Generating Capacity—Initial Operation of Large Fuel-Electric Stations—Waterflows Above Normal

I T was possible to look back at the end of the year with satisfaction on another twelve-month period of accelerated expansion. Service to all customers was maintained at a relatively high level; by reducing deliveries of "at-will" and "interruptible" power the Commission was able to meet primary demands throughout the year without restricting the use of electricity by its municipal and rural power customers.

In 1951 the total amount of primary energy supplied to municipalities other than those served by rural operating areas surpassed that supplied in 1950 by 11.6 per cent. The corresponding increase in total energy supplied to direct industrial customers and rural power districts was 16.8 and 16.4 per cent respectively.

In 1951 among those receiving the benefits of Hydro for the first time was the remote community of Killarney on the north shore of Georgian Bay. Power was also made available to the community of Hearst.

The Commission brought into service during the year the first units of what ultimately will be the two largest fuel-electric generating stations in Canada, the Richard L. Hearn Generating Station in Toronto and the J. Clark Keith Generating Station in Windsor. This raised to eight the number of fuel-electric stations operated by the Commission in addition to its 64 hydro-electric generating stations.

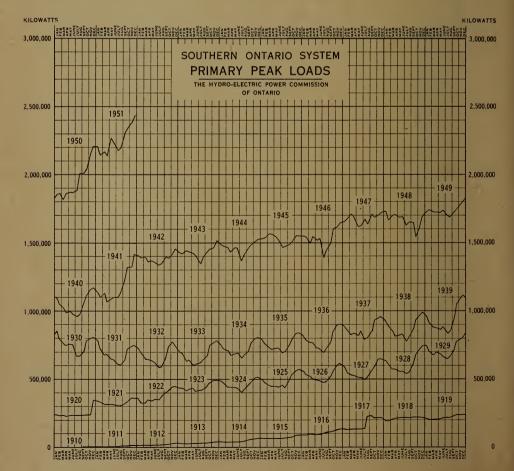
To keep pace with the rapidly increasing use of electricity in the Province, extensive additions were also made to the transmission and transformation facilities of the Commission. Sixty-cycle supply facilities were made available to a number of 25-cycle municipal electrical utilities and direct industrial customers to facilitate the standardization of frequency in the southern part of the Province.

The increase in generating capacity following upon extensions to hydroelectric stations and the opening of new fuel-electric sources was partially offset by a reduction in the amount of power available from sources of purchased power. However, the combined dependable peak capacity of all sources was increased to 2,941,750 kilowatts in December 1951. This was 211,450 kilowatts greater than in December 1950, an increase of 7.7 per cent. The Commission's generating stations produced a total of 14,025,616,458 kilowatt-hours for commercial load purposes during the year. In addition, the Commission purchased under its regular, temporary, and short-term agreements 4,785,835,598 kilowatt-hours, making a total of 18,811,452,056 kilowatt-hours generated and purchased. The record net output of all sources for 1951 exceeded that of the calendar year 1950 by 18.5 per cent.

SOUTHERN ONTARIO SYSTEM

Operation

The year saw the placing in service of the eighth and final unit at Des Joachims and the remaining six of eight units at Chenaux. On October 26 the Richard L. Hearn Generating Station was officially opened and after its initial test run the first unit at this station produced up to 90,000 kilowatts,





CHENAUX GENERATING STATION-Control-room.

operating at 25 cycles. The J. Clark Keith Generating Station was officially opened on November 16. The first unit at this station, after its initial test run, was withdrawn for adjustments before being placed in commercial service. Dependable peak capacity of the Southern Ontario System was 2,389,250 kilowatts at the end of 1951 as compared with 2,181,000 kilowatts in December 1950, an increase of 208,250 kilowatts or 9.5 per cent.

Through the co-operation of the Department of Transport the diversion of an additional 2,500 cubic feet per second of water from the Welland Ship Canal, until 1950 permitted only during the non-navigation season, was made available the year round commencing March 13. This has made possible an increase in the energy output of the two units at the DeCew Falls 25-cycle station during the navigation season of more than 1,000,000 kilowatt-hours per day.

The amount of water impounded in the various storage basins throughout the Southern Ontario System was good at the beginning of the year, while the water situation of the Commission's Quebec suppliers was excellent. Favourable stream-flows prevailed during the early months and snow cover was about normal prior to the 1951 spring freshet, which commenced somewhat earlier than usual. At the conclusion of freshet most major reservoirs were full or nearly so. Only a slight draught on storage took place during the summer and early fall months as natural run-off continued above normal During the latter part of October and early in November it became necessary to waste water on many rivers. On the Ottawa River particularly, flows of freshet proportions occurred as storage reservoirs were already at or near their desired maximum level and inflow continued heavy. Loss of head resulting from these high flows reduced the total available capacity of the Ottawa River stations by as much as 60,000 kilowatts.

As the year closed, stream-flows were excellent, and the water impounded in the various reservoirs throughout the System and in the watersheds supplying the stations of the Gatineau and Maclaren-Quebec Power Companies was well above normal for this period of the year.

Load Trends

As a result of the frequency standardization program a number of 25- and $66\frac{2}{3}$ -cycle customers received 60-cycle service during 1951, and on August 5, $66\frac{2}{3}$ -cycle service from the DeCew Falls Generating Station was discontinued. By the end of the year the 25-cycle load was slightly less than at the end of 1950. At the same time the 60-cycle load in what was formerly the 25-cycle area was 397,000 kilowatts in terms of coincident peak demand at the generators.

Primary demands, reflecting in general the growth of the Province, advanced seasonally in practically every week from late summer to set a new peak record in December of 2,587,959 kilowatts. This exceeded the December 1950 peak by 227,095 kilowatts or 9.6 per cent. Adverse weather conditions resulting in high load demands, coupled with a temporary loss of generating capacity immediately preceding the Christmas holidays, made it necessary for the Commission to appeal to all customers to save power, especially during peak load periods. On the basis of demands occurring prior to the appeal, it is quite probable that, had the appeal not been made, peak demand on the System would have approximated 2,630,000 kilowatts, an increase of 269,000 kilowatts or 11.4 per cent over the peak demand in December 1950. Energy demands reached an all-time high of 48,279,462 kilowatt-hours for any one day, exceeding like demands in 1950 by 4,499,442 kilowatt-hours or 10.3 per cent. Energy demands for the entire year of 1951 exceeded those of 1950 by 13.5 per cent.

The amount of energy produced for use by the System for primary and secondary load purposes was 15,286,391,769 kilowatt-hours for the year, an increase over that of 1950 of 18.7 per cent.

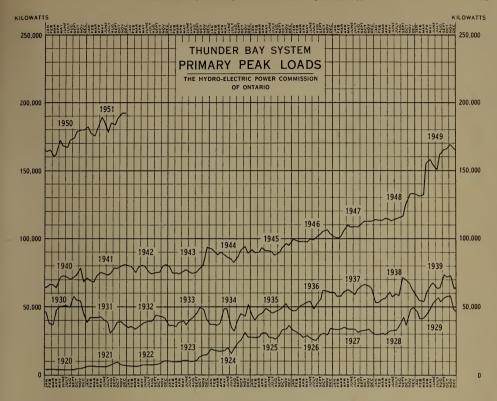
THUNDER BAY SYSTEM

Operation

The longer-established Nipigon River stations, together with the recently constructed Aguasabon and Pine Portage developments and the Kakabeka Generating Station acquired in 1949, assured customers in this area of an adequate supply of power for their needs. Growth is marked by an 18.4 per cent increase in total energy produced for use in the System for primary and secondary load purposes during the year. This reached a record amount of 1,578,273,704 kilowatt-hours.

Minor upward revisions in the ratings of available resources brought the dependable peak capacity up to 235,100 kilowatts for December 1951.

Above-normal natural flows and lake-levels prevailed during the winter months preceding the 1951 spring freshet. Precipitation was above normal, providing a good snow cover with a high water content. This led to relatively high flows and rapid replenishment of storage reservoirs. Natural flows, which were slightly below normal following the spring run-off, steadily



decreased during the summer and fall months. Water conditions were more than sufficient to meet load requirements for the remainder of the year.

Load Trends

Primary peak and energy demands were fully met, and advanced to new highs. The peak of 192,415 kilowatts exceeded the peak demand in 1950 by 12,705 kilowatts or 7.1 per cent, while energy demands for the entire year of 1951 exceeded those of 1950 by 9.3 per cent.

NORTHERN ONTARIO PROPERTIES

Operation

Resources in the Thunder Bay System and Patricia District of the Northern Ontario Properties were wholly integrated on April 15 when a newly constructed 115,000-volt line between Moose Lake and Dryden Transformer Stations was placed in service. This line assures an adequate supply of power for customers in the Dryden, Sioux Lookout, Pickle Lake, and Red Lake areas.

The supply of power to Killarney represents an engineering achievement. In the 18-mile stretch between Birch Island and Killarney the line makes 29 water crossings, three of which involve the use of submarine cable. One of the spans of line is just over a mile in length.

Initial sixty-cycle service was supplied to the Spruce Falls Power and Paper Company on December 11. Delivery was made by way of an existing

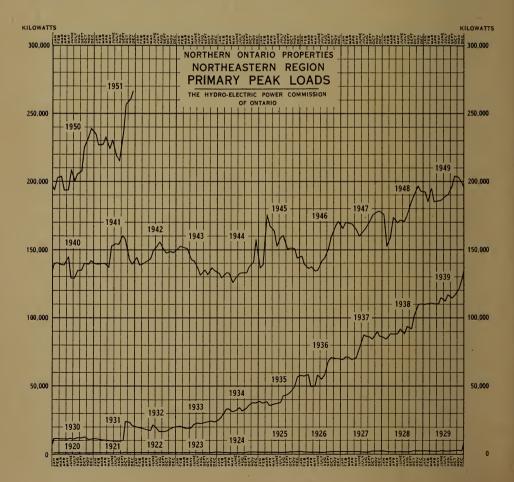
circuit, formerly operated at 25 cycles, between Kirkland Lake, Hunta, and Smooth Rock Falls and thence by way of a newly constructed 115,000-volt circuit to Kapuskasing.

A new 22,000-volt circuit was constructed from Kapuskasing to Hearst in order to supply this community with 60-cycle power.

Growth throughout the northern part of the Province is reflected in the amount of energy produced for use in the Northern Ontario Properties for primary and secondary load purposes, a record total of 1,946,786,583 kilowatt-hours during the year, representing an increase over 1950 of 16.6 per cent.

Minor increases in the dependable peak capacities of existing stations brought the dependable peak capacity of the Northern Ontario Properties to 317,400 kilowatts.

Excellent water conditions prevailed in the Patricia District throughout the year. At the beginning of 1951 water conditions in the Northeastern



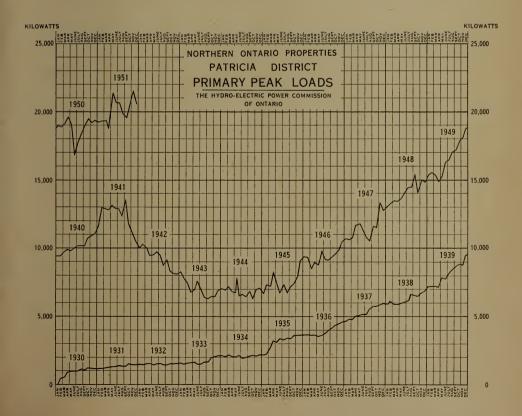
Region were excellent with sufficient water available to meet primary requirements until freshet. Spring break-up commenced in all sectors during the last week of March and the first week of April. Cood snow cover with a high water content created thigh flows which fully replenished most reservoirs by the end of May.

The summer, which is generally a period of low run-off, was marked by heavier than normal flows. This led to a light draught on storage reserves, and excellent storage conditions continued into the fall months. During the fall months exceptionally heavy rains at times caused river-flows to approach freshet proportions and necessitated wasting water at most stations during October and November.

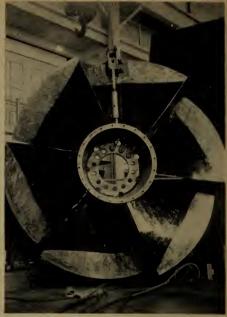
At the year's end water storage was sufficient to maintain production at a rate in excess of primary requirements until the spring freshet of 1952.

Load Trends

Primary peak and energy demands in the Northern Ontario Properties reached new highs. The peak of 286,653 kilowatts exceeded the peak demand in 1950 by 28,242 kilowatts or 10.9 per cent. Primary energy demands for the year exceeded those of 1950 by 14.8 per cent.







ELECTRICAL AND MECHANICAL MAINTENANCE
Left: Special lifting device for 84-ton stator of generating unit
Right: Stainless steel welding on propeller-type turbine runner

MAINTENANCE

Mechanical

In addition to routine maintenance and inspection of mechanical equipment, complete overhaul was given to four turbines in the Niagara district, two at Sir Adam Beck-Niagara Generating Station No. 1, one at DeCew Falls, and one at Toronto Power. One turbine was overhauled at Chats Falls, and when Pine Portage Generating Station made available to that district the first surplus of power in many years, one turbine at each of Cameron Falls and Alexander was overhauled. This is the commencement of a program of rehabilitation of this long-overworked equipment.

New methods of welding are being continuously investigated with a view both to improving the quality of deposited metal and reducing cost. Investigations, carried out mainly in the repair of turbine runners, indicate that two processes, the submerged arc and the argon arc, have shown the greatest promise in supplementing the conventional arc process.

Repairs to the shaft of a large frequency-changer, bent while in operation, were carried out by the manufacturer in collaboration with the Commission's staff while the shaft was in place. A large turbine shaft similarly affected was removed from its runner and repaired by the Commission's staff at the site. Loss of time was thus materially reduced.

Electrical

Routine inspection of the majority of generators and synchronous condensers was supplemented by the major overhaul of five large generators, one large synchronous condenser, and four small generators. Major repairs

were made to two large generators. Lightning damage to generator coils, prevalent in past years, especially in the northeastern part of the Province, was negligible.

Extensive work was done on transformers, 16 large and 30 small transformers being rebuilt or reconnected for 60-cycle operation. A total of 102 transformers, 22 large and 80 small, were given regular overhaul. Tests of bushings on transformers and switchgear units, and a relatively few equipment failures were followed by the rebuilding of 54 high-voltage and 175 low-voltage bushings.

The installation of the oil-treating unit at the Bridgman Transformer Station electrical maintenance shop, reported last year, was completed and 23,000 gallons of deteriorated oil were reclaimed.

Transmission Lines

Maintenance work on lines involved the replacement of over 5,600 distribution and 2,700 transmission poles throughout the Province and the painting of nearly 800 towers on some of the older 110-kv lines in the Western, West Central, Niagara, and Northeastern Regions. In the Northeastern Region the 110-kv, 25-cycle circuits between Iroquois Falls and Kirkland Lake were completely inspected, and necessary replacements were made before releasing one circuit for 60-cycle operation.

During the winter months 350 poles were replaced on the telephone line between Hunta Switching Station and Timmins Transformer Station in areas inaccessible except when snow-roads are usable. This is part of a three-year program to replace defective poles and to adjust tension on the conductors along the telephone line between Abitibi Canyon and Copper Cliff.





ELLESMERE RADIO STATION

Provides communication between Head Office and the Northwestern Region, and construction projects in northern Ontario

Left: The antenna mast

Right: Equipment in use

FORESTRY

Line Clearing

The following table shows the work that has been performed on transmission, rural, and municipal line-clearing operations during 1951, exclusive of the work done by linemen:

Summary of Line-Clearing Operations

	Brush cutting (pole spans)	Trees treated	Miles of line cleared	Tree density per mile
New line construction	2,446 926	45,859 10,780 73,992 124,818 15,422	922 134 2,448 2,302 283	50 80 30 54 54
Total	4,081	270,871	6,089	44

Forest Management

Approximately 49 acres of land in the Niagara Region were planted with 48,500 trees, and 10 acres in the Northeastern Region were planted with 12,500 trees. In preparation for the 1952 reforestation program an order for approximately 100,000 seedling trees was placed with the Department of Lands



BRUSH CONTROL

This brush chipper reduces brush to chips suitable for fertilizer and other uses.

FORESTRY 17

and Forests for planting in the Niagara, East Central, Eastern, and Northeastern Regions.

Land-use surveys of Commission-owned property were commenced in the Eastern Region to determine the extent of wooded areas as well as the amount of reforestation required. Work was still in progress at the year's end.

Forestry personnel supervised timber cutting operations on the Chats Falls lands, involving approximately 1,000,000 board feet of timber.

Power spray operations were carried on in all regions to control insects, fungus diseases, and weeds. Approximately 4,000 acres of transmission rights-of-way were also sprayed with chemicals to control underbrush, and stumps were chemically treated to control regrowth following cutting operations. Excellent results were attained in all cases.

Training of forestry personnel was carried on at the Commission Training Centre. Courses lasting from two to eight weeks were attended by ninety employees.

SECTION II

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of Ontario on Behalf of the Co-operating Municipalities and Rural Power Districts of the Southern Ontario System and the Thunder Bay System,

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario

Description	Southern Ontario and Thunder Bay Systems	Northern Ontario Properties	
	Page	Page	
Balance Sheet	24	28	
Statement of Operations		30	
Funded Debt	32	32	
Advances from the Province of Ontario	34	34	
Fixed Assets by Systems and Properties	287	324	
Fixed Assets—Changes During Year	292	328	
—for Depreciation	298	330	
—for Frequency Standardization	298		
—for Contingencies and Obsolescence	299	330	
—for Exchange Premium on Funded Debt	299	299	
—for Stabilization of Rates	300		
Rural Power District—Rates Suspense Account	300		
Sinking Fund Reserve	300	330	
Statement of Cost of Power	302		
Statement of Sinking Fund Payments by Municipalities			

The financial statements of The Hydro-Electric Power Commission of Ontario that appear in this section and in Appendix II may be divided into two groups as indicated in the table above. The first group, relating to

activities on behalf of the co-operating municipalities which are partners in the main Hydro undertaking, deals with the Southern Ontario System, the Thunder Bay System, and the Rural Power District associated with these two systems. The second group relates to the administration of the Northern Ontario Properties, which are held and operated in trust for the Province of Ontario.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the Hydro undertaking in supplying electric service at cost, and to the wholesale and retail aspects of the operation. A description is also given of the systems within which the partner municipalities are co-ordinated for securing common action with respect to power supplies.

Financial Accounts of the Commission

In each of Section II and Appendix II the collective results of the activities of the two co-operative systems are given first. These include a balance sheet, a statement of operations, and supporting data regarding fixed assets and reserves. The corresponding statements for Northern Ontario Properties follow in the same order. The balance sheets and statements of operations of the co-operative systems and of Northern Ontario Properties are given in this section. Also in Section II are tables showing the funded debt of the Commission and the advances from the Province of Ontario.

Municipal Utility Accounts

In addition to accounts of the Commission's collective activities, Appendix II contains tables relating to the individual municipality's part in the wholesale operations of the Commission.

The statements which present the cost of power supplied by the Commission to municipalities in the Southern Ontario and Thunder Bay Systems appear on pages 302 and 318 respectively. A detailed description of the form of these cost-of-power statements is given later in this section. The municipalities are billed each month at estimated interim rates. At the end of the year, when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined, the necessary credit or debit adjustments are made.

Included in the municipalities' remittance to the Commission for the wholesale cost of power is a sinking fund provision on a forty-year basis for the purpose of retiring capital liabilities. A table showing the sinking fund equity acquired by each municipality is given in Appendix II.

The ultimate source of all revenue to meet costs—whether for the larger operations of the Commission or for the smaller local operations of the municipalities—is, of course, the customer who makes use of the power supplied. Out of the total revenue collected by each municipal utility from its customers for service supplied, only an amount sufficient to pay the wholesale cost of power is remitted to the Commission. The balance of municipal

electrical utility revenue is retained to pay costs incurred in the distribution of electric energy to its customers.

The balance sheets, operating reports, and statistical data of individual municipal electrical utilities appear in Section VIII under the heading "Municipal Electrical Accounts." They relate to the operation of local distribution systems. An explanatory introduction precedes these statements in Section VIII.

Auditing of Accounts

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are kept in accordance with the uniform system of accounting as prescribed by The Hydro-Electric Power Commission of Ontario, and pursuant to the requirements of The Public Utilities Act are audited by the auditors of the municipal corporation.

Summary of Financial Position—All Systems

The total assets of the Commission at December 31, 1951, amounted to \$1,036,029,755. This is the sum of the assets of the Commission in the Southern Ontario and Thunder Bay Systems and the Northern Ontario Properties after deducting accumulated depreciation of \$116,945,857 and a contra account of \$956,647 existing between the two balance sheets as set forth on pages 24 and 28. Rural assets under administration at the end of the year amounted to \$127,227,145, of which \$63,015,165 has been provided by the Province of Ontario in the form of grants-in-aid. These grants-in-aid for construction in the rural power districts are shown as a deduction from rural assets on each balance sheet.

Capital expenditures during 1951 amounted to \$164,617,930, 51 per cent being for new generation, which reflects the continuation of the Commission's expansion program.

During 1951 an amount of \$39,456,723 was spent on the frequency standardization program. This expenditure includes \$6,834,590 which was invested in materials and equipment for use in future standardization; this amount, when added to that already similarly invested, represents an expenditure at December 31, 1951 of \$26,746,651, all of which is applicable to future frequency standardization projects.

In order to meet these expenditures and to provide for \$10,525,951 of debt retirement, a total of \$130 million of bonds were issued during the year. The proceeds from the sales of these bonds, together with \$47,867,477 raised internally from reserves and \$10,066,604 received from the Province of Ontario in the form of grants in aid for the rural hydro program, provided the necessary financing for the Commission's undertakings. In this connection a further issue on January 2, 1952 of bonds in the principal sum of \$50 million resulted in the retirement of the bank overdraft as recorded in the balance sheet of the Southern Ontario and Thunder Bay Systems.

At December 31, 1951 the Commission's long-term debt was \$690,334,092, while accumulated sinking funds amounted to \$165,573,021.

Southern Ontario and Thunder Bay Systems—Operation

In 1951 the Commission's fiscal year coincided with the calendar year commencing January 1, while the 1950 fiscal year included fourteen months from November 1, 1949 to December 31, 1950, and this should be kept in mind when comparisons between the two years are made. The comparisons which follow have been based upon pro-rata figures for a twelve-month period in 1950.

Owing to the continuing high load factor experienced by the Commission throughout the operation of its power facilities, it was possible to refund to the municipal cost customers a net amount of \$2,417,948 on behalf of 1951 operations in the Southern Ontario System. In the Thunder Bay System the net refunds for the same period totalled \$102,950.

Within these two systems 1951 rural revenues were \$19,063,279 and operating costs were \$19,056,584, which produced a surplus of \$6,695 compared with a surplus of \$79,767 for a corresponding period in 1950.

Northern Ontario Properties-Operation

The rate increases introduced in 1950 were in effect for the full year of 1951. Mounting costs, however, largely offset higher revenues and the 1951 loss was \$536,223. This compares with a loss of \$812,748 in 1950. Revenue increased to \$9,552,710 while expenses increased to \$10,088,933. This represents an increase on a twelve-months' basis of 19 per cent and 14 per cent respectively. A further rate increase of approximately 15 per cent was introduced in July 1951, and it is hoped that this will have a favourable effect upon the operating results.

The cost of conducting rural operations exceeded revenues by \$319,237 during the year.

It will be noted that the Northern Ontario Properties balance sheet shows an accumulated deficit account of \$2,233,152 on behalf of all operations.

Cost of Power

In this Annual Report the statements of the cost of power appear in a different form from that of previous years. This revision conforms with changes made in order to avoid excessive complexity in allocating wholesale power costs to the municipal electrical utilities.

In the early days of the Commission's operation, only thirteen municipalities were involved and all secured power from one source. All shared equitably the cost of power purchased from the Ontario Power Company, and where two or more municipalities shared the benefits of distribution facilities they shared the cost of distribution according to their respective loads. From one generating source power flowed in one direction and in quantities easily measured.

Following early developments, additional sources of power in other parts of the Province were added to existing systems, power was purchased from Quebec suppliers, and an extensive grid of high-voltage transmission facilities was established. As these conditions developed, it became evident

that changes would be required in the basic costing procedure, and minor modifications were made over a period of years. In 1943 the cost of generation, purchased power, various frequency changers, and interconnecting facilities in the Niagara, Eastern Ontario, and Georgian Bay Systems—now the Southern Ontario System—were pooled and charged equitably to all loads in the system. Other costs—transmission, transformation, and distribution—continued to be allocated as before. However, the number of accounts used in a costing procedure which had remained basically unchanged from the original system had reached such proportions in 1949 that the Commission had a lengthy study undertaken with a view to simplification. The ensuing report made recommendations for simplifying the procedure while continuing the determination of costs in an equitable manner. A test of these recommendations, made by applying the recommended principles to costs in each of the years 1947 to 1949 inclusive, proved their value, and as a result the modified costing procedure was put into effect as of January 1, 1951.

It will be recalled that in former years the cost of power to each municipality was broken down into the following contributing elements:

Cost of power purchased

Operating, maintenance, and administrative expense

Interest

Depreciation

Provision for contingencies, obsolescence, and frequency standardization

Provision for sinking fund

Revenue received in excess of cost of power sold to private companies.

Under the procedure adopted in 1951 the cost of power to each municipality is presented by function as follows:

Power supply, including step-up transformation

Bulk transmission

High-voltage transmission

High-voltage step-down transformation

Low-voltage distribution

Distributing stations

Division costs

Direct charges

Power supply includes generally what were previously known as amalgamated costs, plus the step-up transformation. These amalgamated costs were formerly allocated at a uniform rate per kilowatt of demand to all loads in the Southern Ontario System. Under the present system some weight is given to the varying quantities of kilowatt-hours of energy used by each customer.

Bulk transmission covers the cost of conveying large quantities of power by means of 230-kv lines and large transformer stations from eastern Ontario, for example, to combine with power from the Niagara River stations for distribution to divisions otherwise unable to meet their total power requirement.

Divisional costs, including high-voltage transmission and high-voltage step-down transformation, are allocated on a divisional basis governed by distance and demand load.

In the statements that appear on pages 302-319 in this Report the charges to municipal electrical utilities appear under these main headings, "Share of power purchased, operating costs, fixed charges," and "Special provisions". Since charges for power supply have been based for the first time on a consideration of both peak and energy loads, the energy consumption has been added to the table.

THE HYDRO-ELECTRIC POWER SOUTHERN ONTARIO AND

BALANCE SHEET AS AT

ASSETS		
FIXED ASSETS AT COST:		
Southern Ontario System\$	700 326 457 38	
Thunder Bay System	71 730 132 35	
Administrative and service buildings and equipment	16,744,995.20	
Administrative and service buildings and equipment	10,744,995.20	
Rural Power Districts		
Less grants in aid of construction from		
Province of Ontario		
	57,404,720.60	
_		
\$	846,215,305.53	
Less reserve for depreciation	106 251 105 67	
Less reserve for depreciation		9720 OGA 100 OG
CURRENT ASSETS:		\$739,964,109.86
	100 710 04	
Working funds\$		
Sundry accounts receivable	3,191,264.35	
Power accounts receivable	11,084,375.15	
Power accounts receivableRural Power Districts grants receivable	2,320,875,44	
Interest accrued	765,925.67	
Customers' deposits—securities	468,950.00	
	154,086.52	
Prepayments and sundry deposits		
Northern Ontario Properties—current account	956,646.59	
_		19,130,840.66
Inventories:		
Construction and maintenance materials and supplies\$	25,937,695.77	
Construction and maintenance tools and equipment	9.070.535.31	
_		35,008,231.08
DEFERRED CHARGES AND OTHER ASSETS:		00,000,201.00
Frequency standardization—equipment and supplies\$	26 746 650 88	
Debenture discount and expense less amounts written off		
Agreements, mortgages and sundry investments	110,366.00	
Work in progress—deferred work orders	2,292,650.87	
		38,212,045.37
RESERVE FUND INVESTMENTS:		
Investments in government and government guaranteed		
bonds at amortized cost (approximate market value		
\$89,474,641.00)		
	20 172 246 70	
Held for: Pension fund\$	4 040 105 00	
Employers' liability insurance fund	-4,249,185.90	
Contingencies and obsolescence and stabilization		
of rates reserves	60,079,575.75	
_		92,502,008.35

\$924,817,235.32

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

DECEMBER 31, 1951

LIABILITIES AND RESERVES

LONG TERM LIABILITIES (at par of exchange):		
Funded debt\$ Less debentures issued to finance Northern Ontario Properties, a separate trust operated by the Com-	, ,	
mission for the Province of Ontario	74,820,000.00	
Advances from the Province of Ontario \$ 66,056,091.52 Less advances for Northern Ontario Properties	549,458,000.00 61,541,917.89	
CURRENT LIABILITIES:	•	
Bank overdraft (partly secured) . \$ Accounts and payrolls payable	8 26,666,522.55 13,756,434.71 727,260.90 3,703,911.91 1,177,370.65	
SPECIAL RESERVES:		
Pension fund	4,306,171.68 15,846,065.58	
GENERAL RESERVES:		
Contingencies and obsolescence \$\text{Stabilization of rates}\$. Rural Power Districts—rates suspense \$\text{Miscellaneous}\$.	26,299,741.90 2,275,721.30	
		73,317,831.98
SINKING FUND RESERVE:		
Represented by funded debt and provincial advances retired through sinking funds		140,220,935.59
		\$924,817,235.32

Commitments under uncompleted contracts for the construction of fixed assets, approximately \$30,000,000.

Auditors' Report

We have examined the balance sheet of the Southern Ontario and Thunder Bay Systems of The Hydro-Electric Power Commission of Ontario, as at December 31, 1951, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Southern Ontario and Thunder Bay Systems of the Commission as at December 31, 1951 (subject to the trusts which prevail in respect therete) and the results of their operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada, June 30, 1952. CLARKSON, GORDON & CO.

Chartered Accountants.

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO AND

STATEMENT OF

For the Year Ended

	Southern Ontario System
	\$
Cost of Power: Cost of power purchased. Operating, maintenance, and administrative expenses.	13,805,065.80 17,743,394.20
Interest (including interest on funded debt and reserves, less interest earned on investments). Provision for depreciation. Provision for contingencies and obsolescence. Provision for frequency standardization. Provision for stabilization of rates. Provision for sinking fund.	19,340,964.36 4,970,975.45 5,352,989.98 7,333,281.46 1,480,283.70 5,485,557.06
Cost of power supplied to Rural Power Districts by systems	75,512,512,01 8,200,060.23
Total	67,312,451.78
Amounts Billed to Municipalities and Other Customers: Municipalities (at interim rates)	50,377,699.21
Companies Mining area Local distribution systems	19,244,824.08
Total	69,730,400.24
Excess or <i>deficiency</i> of amounts billed over cost of power (for disposition see table below)	2,417,948.46
Disposition of the above excess or <i>deficiency</i> of amounts billed over the c	ost of power:
SOUTHERN ONTARIO SYSTEM— Excess credited to municipalities on annual adjustment	\$2,417,948.46
THUNDER BAY SYSTEM— Deficiency as above Less amount charged to reserve for contingencies and obsolescence	\$ 320,900.35 \$ 423,850.54
Balance—credited to municipalities on annual adjustment	\$ 102,950.19

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

OPERATIONS

December 31, 1951

Thunder Bay	Distribution in Rur	al Power Districts	
System	Scuthern Ontario	Thunder Bay	Total
\$	\$	\$	\$
2,181.77 1,318,413.10	5,369,930.27	82,264.22	13,807,247.57 24,514,001.79
2,543,336.06 571,942.51 317,309.83	1.826,585.53 990,458.59 1,890,458.59	36,926.40 20,144.47 20,144.47	23,747,812.35 6,553,521.02 7,580,902.87 7,333,281.46
37,402.64 742,578.19	524,666.90	10,606.73	1,517,686.34 6,763,408.88
5,533,164.10 84,337.53	10,602,099.88 8,200,060.23	170,086.29 84,337.53	91,817,862.28
5,448,826.57	18,802,160.11	254,423.82	91,817,862.28
1,697,700.43 3,058,270.16 270,669.31 101,286.32	18,867,252.70	196,026.39	52.075,399.64 19,063,279.09 22,303,094.24 270,669.31 209,163.27
5,127,926.22	18,867,252.70	196,026.39	93,921,605.55
320,900.35	65,092.59	58,397.43	2,103,743.27

RURAL POWER DISTRICT—

Deficiency in Thunder Bay System charged to Rural Power District rates suspense account.....\$ 58,397.43

NORTHERN ONTARIO

Held and operated by The Hydro-Electric Power Commission

BALANCE SHEET AS AT

ASSETS AND DEFICIT		
FIXED ASSETS AT COST: Northern Ontario Properties \$ Administrative and service buildings and equipment \$ Rural Power District \$13,478,776.21	103,899,934.76 423,097.46	6 8
Less grants in aid of construction from Province of Ontario	6,807,259.0	5
Less reserve for depreciation	111,130,291.29 10,694,661.16	
CURRENT ASSETS: Working funds. \$ Sundry accounts receivable. Power accounts receivable. Interest accrued. Customers' deposits—securities. Prepayments.	18,780.00 114,024.0 1,741,840.5 16,417.0 1,634,475.0 4,946.3	0 1 2 4 0
Inventories: Maintenance materials and supplies\$ Maintenance tools and equipment	1,482,140.48	3,530,482.92
DEFERRED CHARGES AND OTHER ASSETS: Debenture discount and expense less amounts written off\$ Account receivable in annual instalments 1952–1989 Work in progress—deferred work orders	1,022,200.5 ⁴ 1,936,647.80 308,113.12	- 1,976,436.42 4 0
RESERVE FUND INVESTMENTS: Government and government guaranteed bonds at amortized cost (approximate market value \$741,990.00)		- 3,266,961.46
held for sinking fund reserve. DEFICIT ACCOUNT.		
		\$112,169,167.02

PROPERTIES

of Ontario in trust for the Province of Ontario

DECEMBER 31, 1951

LIABILITIES AND RESERVES

The Hydro-Electric Power Commission of Ontario—current account with Southern Ontario and Thunder Bay Systems. Customers' deposits. Debenture interest accrued. Miscellaneous accruals. SPECIAL RESERVE: Exchange premium received on funded debt. SENERAL RESERVE: Contingencies and obsolescence. 3,841,707.10	Advances from the Province of Ontario	4,173.63 \$ 6,646.59 4,466.89 0,988.37	
Advances from the Province of Ontario	Advances from the Province of Ontario	4,173.63 \$ 6,646.59 4,466.89 0,988.37	
The Hydro-Electric Power Commission of Ontario—current account with Southern Ontario and Thunder Bay Systems. Customers' deposits. Debenture interest accrued. Miscellaneous accruals. Exchange premium received on funded debt. Exchange premium received on funded debt. Contingencies and obsolescence. Expresented by— Funded debt and provincial advances retired through sinking fund. Funded debt and provincial advances retired through sinking fund. Sinking fund investments and cash. Table 24,624,758.37 727,326.59	The Hydro-Electric Power Commission of Ontario—current account with Southern Ontario and Thunder Bay Systems	6,646.59 4,466.89 0,988.37	
The Hydro-Electric Power Commission of Ontario—current account with Southern Ontario and Thunder Bay Systems	The Hydro-Electric Power Commission of Ontario—current account with Southern Ontario and Thunder Bay Systems	4,466.89 0,988.37	3,457,996.17
account with Southern Ontario and Thunder Bay Systems	account with Southern Ontario and Thunder Bay Systems . \$ 95 Customers' deposits . 1,93 Debenture interest accrued . 44 Miscellaneous accruals . 12 SPECIAL RESERVE: Exchange premium received on funded debt	4,466.89 0,988.37	3,457,996.17
Customers' deposits 1,934,466.89 Debenture interest accrued 440,988.37 Miscellaneous accruals 125,894.32 BPECIAL RESERVE: Exchange premium received on funded debt 183,205.16 GENERAL RESERVE: Contingencies and obsolescence 3,841.707.10 GINKING FUND RESERVE: Represented by— Funded debt and provincial advances retired through sinking fund \$24,624,758.37 Sinking fund investments and cash. 727,326.59	Customers' deposits 1,93 Debenture interest accrued 44 Miscellaneous accruals 12 SPECIAL RESERVE: Exchange premium received on funded debt GENERAL RESERVE:	4,466.89 0,988.37	3,457,996.17
Debenture interest accrued	Debenture interest accrued 44 Miscellaneous accruals 12 SPECIAL RESERVE: Exchange premium received on funded debt GENERAL RESERVE:	0,988.37	3,457,996.17
Miscellaneous accruals	Miscellaneous accruals		3,457,996.17
3,457,996.17 SPECIAL RESERVE: Exchange premium received on funded debt	Special Reserve: Exchange premium received on funded debt		3,457,996.17
Exchange premium received on funded debt	Exchange premium received on funded debt		
GENERAL RESERVE: Contingencies and obsolescence. 3,841,707.10 SINKING FUND RESERVE: Represented by— Funded debt and provincial advances retired through sinking fund \$ 24,624,758.37 Sinking fund investments and cash. 727,326.59	General Reserve:		
Contingencies and obsolescence			183,205.16
Represented by— Funded debt and provincial advances retired through sinking fund Sinking fund investments and cash	Contingencies and obsolescence		
Represented by— Funded debt and provincial advances retired through sinking fund Sinking fund investments and cash	Contingencies and obsolescence		3 841 707 10
Represented by— Funded debt and provincial advances retired through sinking fund \$ 24,624,758.37 Sinking fund investments and cash			3,041,707.10
Funded debt and provincial advances retired through sinking fund \$ 24,624,758.37 Sinking fund investments and cash	SINKING FUND RESERVE:		
Funded debt and provincial advances retired through sinking fund \$ 24,624,758.37 Sinking fund investments and cash	Represented by—		
sinking fund sinking fund investments and cash	*		
		4,758.37	
25,352,084.96	Sinking fund investments and cash	7,326.59	
	***************************************		25,352,084.96
£112 160 167 02			112,169,167.02
	Represented by— Funded debt and provincial advances retired through sinking fund. \$24,62	4,758.37	

* The long term liabilities represent the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario issued to finance the Northern Ontario Properties.

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario, as at December 31, 1951, and the statements of operations and deficit for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations and deficit are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties as at December 31, 1951, and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada, June 30, 1952. CLARKSON, GORDON & CO. Chartered Accountants.

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario

STATEMENT OF OPERATIONS

For the Year Ended December 31, 1951

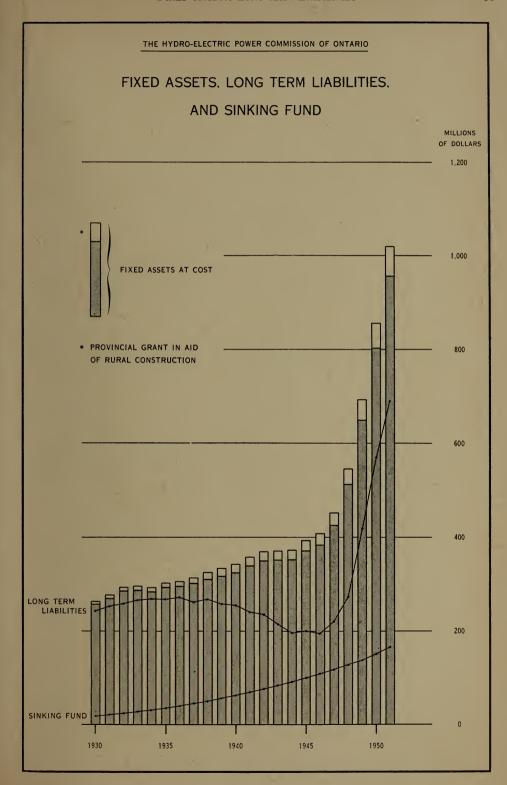
	Northern Ontario Properties	Rural Power District	Total
	\$	\$	\$
REVENUE: Power sold to companies, municipalities, and other customers	9,552,710.11	1,100,159.42	10,652,869.53
COST OF OPERATION: Power purchasedOperating, maintenance, and administrative ex-	*279,506.44	20,128.62	*299,635.06
penses Interest (including interest on funded debt and	4,330,700.37	481,193.92	4,811,894.29
reserves less interest earned on investments). Provision for depreciation			
Provision for sinking fund	1,011,771.44 510,885.04	53,857.13	1,065,628.57
Power supplied to Rural Power District	478,142.13		
,	10,088,932.88	1,419,396.15	11,508,329.03
NET Loss on operations for the year	536,222.77	319,236.73	855,459.50

^{*}After deducting \$409,911.05 for power sold to the Southern Ontario System.

Statement of Deficit Account

For the Year Ended December 31, 1951

Balance at debit January 1, 1951	
Balance at debit December 31, 1951	2,233,151.95



THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

Guaranteed as to principal and interest by the

Date of maturity	Callable at par on or after	Date of issue	Interest rate
May 1, 1952. Jan. 1, 1953. Nov. 1, 1953. July 15, 1954. Nov. 1, 1954.	Jan. 1, 1951 (a)	May 1, 1942 Jan. 1, 1943 Nov. 1, 1948 July 15, 1949 May 1, 1950	per cent 3 3 21/2 21/2 21/2 21/2
April 1, 1956. Aug. 1, 1957. June 1, 1958. Dec. 1, 1958. Jan. 1, 1960.	Jan. 1, 1955	April 1, 1947 Aug. 1, 1917 June 1, 1918 Dec. 1, 1918 Jan. 1, 1945	2 4 4 4 3
Mar. 1, 1963	Mar. 1, 1961 July 2, 1960 Dec. 15, 1963 May 1, 1964 April 1, 1964	Mar. 1, 1948 July 2, 1948 Dec. 15, 1948 May 1, 1951 April 1, 1947	$\begin{array}{c} 3\\ 3\\ 3\\ 3\\ 3^{1/2}\\ 2^{3/4} \end{array}$
April 1, 1967. Jan. 15, 1968. Oct. 1, 1968. Nov. 1, 1969. Jan. 1, 1970.	April 1, 1965 Jan. 15, 1966 Oct. 1, 1965 Nov. 1, 1967	April 1, 1949 July 15, 1949 Oct. 1, 1947 Nov. 1, 1949 Jan. 1, 1930	3 3 2 ³ ⁄ ₄ 3 4 ³ ⁄ ₄
April 1, 1970. May 15, 1971. June 1, 1971. Sept. 1, 1972. June 15, 1973.	April 1, 1968 May 15, 1956(a) June 1, 1961 Sept. 1, 1956(a) June 15, 1971	April 1, 1950 May 15, 1951 June 1, 1946 Sept. 1, 1951 June 15, 1950	$\begin{array}{c} 3\\ 3\frac{1}{4}\\ 2\frac{3}{4}\\ 3\frac{1}{4}\\ 3\end{array}$
Total Funded Debt (at pa	ar of exchange)		

	Summary of changes in funded debt during
Outstanding at December 31, 1950	***************************************
Less redemptions during year	41
Add new bond issues during year	
Outstanding at December 31, 1951	
Outstanding at December 51, 1351	, ,
	Payable in the

⁽a) Callable at 101.
(b) Payable in U.S. funds.
(c) Payable in Can., U.S., or Sterling.
(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province of Ontario, on behalf of the Commission.

COMMISSION OF ONTARIO

DECEMBER 31, 1951

Province of Ontario (except issues marked*)

Southern Ontario and		
Thunder Bay Systems	Northern Ontario Properties	Total
\$·	\$	\$
250,000.00	750,000.00	1,000,000.00
5,000,000.00(b)		5,000,000.00(b)
10,000,000.00		10,000,000.00*
5,000,000.00		5,000,000.00
15,000,000.00		15,000,000.00*
5,745,694.00	4,254,306.00	10,000,000.00
8,000,000.00(c)		8,000,000.00(c)
200,000.00		200,000.00
100,000.00		100,000.00
	7,500,000.00	7,500,000.00
30,994,000.00	3,406,000.00	34,400,000.00
34.000.000.00	5.900.000.00	39,900,000.00
45,000,000.00		45,000,000,00
24,000,000.00	6,000,000.00	30,000,000.00
13,064,306.00	1,758,694.00	14,823,000.00
33,000,000.00	11,400,000.00	44,400,000.00
37,000,000.00	6,775,000.00	43,775,000.00
17,500,000.00	1,916,000.00	19,416,000.00
38,000,000.00	11,650,000.00	49,650,000.00
11,864,000.00		11,864,000.00
51,500,000.00	3,000,000.00	54,500,000.00
47,000,000.00(b)	3,000,0000.00(b)	50,000,000.00*(b) (d
15,240,000.00	4,610,000.00	19,850,000.00
50,000,000.00(b)		50,000,000.00*(b) (d
52,000,000.00	2,900,000.00	54,900,000.00
549,458.000.00	74,820,000.00	624,278,000.00
he year ended December 3	1, 1951	
\$434,708,000.00 6,250,000.00	\$ 68,369,000.00 2,549,000.00	\$503,077,000.00 8,799,000.00
\$428,458,000.00	\$ 65,820,000.00	\$494,278,000.00
121,000,000.00	9,000,000.00	130,000,000.00
\$549,458,000.00	\$ 74,820,000.00	\$624,278,000.00
	φ 74,820,000.00 ===============================	\$024,276,000.00 ================================
ollowing currencies:		
\$439,458,000.00	\$ 71,820,000.00	\$511,278,000.00
102,000,000.00	3,000,000.00	105,000,000.00
8,000,000.00		8,000,000.00
\$549,458,000.00	\$ 74,820,000.00	\$624,278,000,00
φυτυ,τυο,υυυ.υυ	φ 74,020,000.00	φυ24,270,000.00

THE HYDRO-ELECTRIC POWER ADVANCES FROM THE PROVINCE OF

Portions of Province of Ontario bonds

Date of Maturity	Description	Interest rate	
December 1, 1952–1955. January 15, 1952–1957. November 1, 1952–1957. May 15, 1952–1968. May 15, 1952–1970.	Serial bonds Serial bonds Annuity bonds	per cent 4½ 4½ 4½ 4½ 4½ 4½ 4½ 4½	
January 15, 1952–1971. June 1, 1952–1971. April 1, 1952. May 1, 1959. December 2, 1960.	Annuity bonds Bonds Bonds	$4\frac{1}{2}$ 4 5 5 5	
Total Advances (at par of ex-	change)		
	Summary of changes in a		
Balance of advances at December 31. 1 Less repaid during year			
Balance of advances at December 31, 1951			
		Payable in the	
Canadian or United States Canadian, United States, or Sterling.			

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1951

issued for the purposes of the Commission

Balance	of advances outstanding December 3	31, 1951
Southern Ontario and Thunder Bay Systems	Northern Ontario Properties	Total
\$ 758,908.41 1,411,482.11 2,244,012.86 7,704,849.76 7,205,102.17	\$ 3,916.07 4,006.21 6,370.72 348,283.27 353,247.48	\$ 762,824.48 1,415,488.32 2,250,383.58 8,053,133.03 7,558,349.65
3,536,770.46 4,699,431.39 8,713,226.28 12,261,016.44 13,007,118.01 61,541,917.89	502,078.02 1,006,580.15 4,799.73 1,197,907.71 1,086,984.27 	4,038,848.48 5,706,011.54 8,718,026.01 13,458,924.15 14,094,102.28 66,056,091.52
of Ontario during year end	ed December 31, 1951	0
\$63,190,683.00 1,648,765.11 \$61,541,917.89	\$ \$4,592,359.40 78,185.77 4,514,173.63	\$67,783,042.40 1,726,950.88 \$66,056,091,52
following currencies:		
\$ 8,713,226.28 52,828,691.61 \$ 61,541,917.89	\$ 4,799.73 4,509,373.90 	\$ 8,718,026.01 57,338,065.51 \$ 66,056,091.52

SECTION III

THE COMMISSION AND ITS CUSTOMERS

Municipal Activities and Load Conditions Reviewed—Regional Reports—Summary Tabulations for Municipal Electrical Utilities—Frequency Standardization—Service to Industries—Lighting Service—Sales Service—Electrical Inspection

A T December 31, 1951, the Commission was supplying electric power to 1,175 municipalities in the Province under provisions of The Power Commission Act.

The municipalities may be divided into five groups according to the method under which they are served.

MUNICIPALITIES SERVED BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO DECEMBER 31, 1951

Grou	p Classification	Number
1	Municipalities owning their own distribution systems and served through municipal electrical utilities under: (a) Cost contract	
2 3	Municipalities served through other municipal electrical utilities Municipality owning its own distribution system and served under special	5
4	arrangement. (Will be in Group 1(a) after January 1, 1952)	26
5	Municipalities in rural power districts where customers are served directly by the Commission on the municipalities' behalf (mainly township areas, but certain towns, villages, police villages, and improvement districts	
7	included through special provision)	819 1,175
	TYPES OF MUNICIPALITIES SERVED	
Town Villag Police Town Impre	s. s. ges evillages ships—Organized and Unorganized ovement Districts. ng Townsites.	119 148 177 684 9
1	Cotal	1,175

The expansion of business in large municipalities, so marked during 1950, has continued during 1951. The Commission has dealt during the year with a large number of requests from these municipalities seeking approval for the extension of distribution facilities and assent to the issue of debentures to cover the capital expenditures involved.

For most municipal electrical utilities revenues were sufficient to take care of the costs of operation in spite of rising costs, and only thirteen municipalities requested approval for an increase in retail rates.

Load Increase—Group 1(a)

The following table indicates the large increase in loads supplied to municipalities under cost contract in the Southern Ontario and Thunder Bay Systems:

Average of the Monthly Peak Loads Billed

	1950	1951	Increase or decrease	Increase
	kilowatts	kilowatts	kilowatts	per cent
Cities	973,084.5	1,075,445.7	102,361.2	10.5
Voted Areas	117,070.2	147,395.0	30,324.8	25.9
Municipalities (population 2,000 or more)	204,334.1	233,032.3	28,698.2	14.0
Municipalities (population under 2,000)	68,406.4	68,233.4	173.0	*
Total	1,362,895.2	1,524,106.4	161,211.2	11.8

^{*}Four municipalities formerly in this group are now included in municipalities having a population of over 2,000.

Of the 315 municipalities under cost contract 302 or nearly 96 per cent showed an increase in power requirements. Of the remaining thirteen municipalities, all under 2,000 in population, twelve showed a decrease and one showed no change.

REPORTS FROM THE REGIONS RELATING TO MUNICIPAL ACTIVITIES

Through the nine regional offices which the Commission has established in the Province, assistance was rendered to municipalities in the many problems that arise in the daily operation of their electrical utilities. These include new rate schedules to ensure financial stability, methods of financing capital expenditures, and assistance in the construction of distributing stations and the rehabilitation of existing distribution systems.

The following gives brief particulars of some of the more important activities carried out in these and other municipalities in each region.

WESTERN REGION

Chatham—An extension to the present office building was started during the year 1951. It is being constructed on adjoining property purchased for this purpose a number of years ago.

The local commission constructed a temporary 5,400-kva, 60-cycle, 26.4-kv step-down station, together with duplicate primaries and 575-volt facilities to provide 60-cycle service to a number of industrial customers.

Dresden—A new office and garage building was officially opened during July 1951.

Ingersoll—A new 2,000/3,600-kva, dual-frequency municipal station was placed in service in October 1951 to relieve the loading on Municipal Station No. 1. This station was initially energized at 60 cycles and became the source of supply for the advanced frequency standardization program, which will include major industrial power customers.

Leamington—This was the first year in which the three utilities—hydro, gas, and water—were administered by a Public Utilities Commission.

London—During the year the Public Utility Commission was engaged in the general work of readjusting the distribution system following conversion to 60 cycles. A total of 184 new distribution transformers, with a cumulative capacity of almost 4,500 kva, was installed.

The street-lighting system was rehabilitated by the replacement of over 900 obsolete fixtures with modern luminaires.

St. Thomas—A garage was built during the year and construction was begun on a building to house the offices, stores, and workshop.

Sixty-cycle power was made available on May 10, 1951 to permit advanced frequency standardization.

Sarnia—The main office building of the Sarnia Hydro-Electric Commission has been considerably enlarged and modernized during the year. It houses the general offices and includes sales and display space and certain storage, garage, and workshop facilities.

The Corporation annexed a section of the Township of Sarnia which previously served some 2,720 rural customers.

Strathroy—Prior to and during frequency standardization, considerable improvement in service security was achieved by the construction of loop primary feeders.

Tecumseh—The existing office building was renovated and modernized.

Tillsonburg—The new 2,000/3,600-kva, dual-frequency municipal station, located on Bloomer Street, was placed in service. The distribution system is being changed from 3-wire ungrounded to 4-wire grounded.

Wallaceburg—The Dell Street Distributing Station was increased in capacity by 5,400 kva at 60 cycles and became the initial source of 60-cycle power for the advanced frequency standardization program. Officially this commenced on July 12, 1951.

Windsor—A new 3,600-kva, 60-cycle distributing station constructed during the year will provide the initial 60-cycle power supply for the regular frequency standardization program commencing January 3, 1952. Facilities were also provided for the advanced conversion of certain large industries. These facilities include temporary transformation and a permanent 26.4-kv feeder approximately $1\frac{3}{4}$ miles in length.

Woodstock—The new 1,500/2,700-kva, dual-frequency municipal station, located on Henry Street, was placed in service.

A number of step-down stations for 60-cycle service were installed to permit advanced frequency standardization.

A portion of Blandford Township was annexed, adding 178 new customers.

WEST CENTRAL REGION

Brantford—Considerable construction was undertaken by the Brantford Commission during the year to permit advanced frequency standardization of a number of industries, and to provide a supply of 60-cycle power in the business area.

Brantford Township—Municipal Station No. 3, a new 2,000/3,600-kva dual-frequency distributing station, was placed in service, and the capacity of Municipal Station No. 2 was increased from 1,000 to 2,000 kva.

Clinton—In preparation for frequency standardization, assistance was given to the local commission in rearranging and rebuilding a portion of the distribution system. The primary distribution voltage was changed from 2,200-volt delta to 4,000/2,300-volt star connection.

Elmira—Municipal Station No. 2 was completed. It consists of a permanent building housing metal-clad, 4,000 2,300-volt switching equipment supplied from one 1,500/2,700-kva, 3-phase, outdoor-type transformer.

A temporary 60-cycle transformer was installed on Municipal Station No. 2 property so that frequency standardization might proceed in a large chemical industry under the advanced standardization program.

Galt—During 1951, the first 60-cycle power was supplied to some ten major power service customers. To supply these customers, approximately 8,000 kva of 60-cycle distributing station transformers have been added to the municipal system.

Further annexation of the Township of North Dumfries increased the area of the city by some 1,200 acres and brought 325 additional customers.

Goderich—Municipal Station No. 2, with a capacity of 3,000 kva at 60 cycles, was placed in service. Frequency standardization in the municipality was in this way facilitated.

Guelph—Advanced frequency standardization was begun. This in volved the installation of three 60-cycle distributing stations and distribution facilities to supply industrial and commercial customers.

Hamilton—The new office building at John and Rebecca Streets was completed and occupied.

Considerable construction was undertaken to permit advanced frequency standardization.

On August 5, 1951 the balance of the former Dominion Power and Transmission 66%-cycle system, serving approximately 22,000 kilowatts of industrial load, was standardized at 60 cycles.

Hespeler—During the year the conversion from series to multiple street lighting was completed. Fifteen new street lights were added.

Kitchener—In order to permit advanced frequency standardization, the Commission constructed new lines and distributing stations.

The change-over from series to multiple street lighting was completed for the whole city.

Mitchell—The municipality built a new outdoor-type distributing station containing three 667-kva, single-phase, 60-cycle transformers. Upon completion of frequency standardization, the old 25-cycle distributing station was dismantled.



HAMILTON-The administration building of the Hydro-Electric Commission

Preston—Following the fire which destroyed the local distributing station in November 1950, orders were placed and designs completed for three new distributing stations. Two of these, each consisting of one 1,500/2,700-kva, dual-frequency transformer with metal-clad switchgear, are located approximately in the centre of the municipality. These were placed in service late in the year, one, in keeping with the advanced frequency standardization program, being supplied from the Commission's system at 60 cycles, and the other at 25 cycles.

Seaforth—The Public Utility Commission built a new outdoor-type, 60-cycle distributing station containing three 667-kva, single-phase transformers. This was used to advantage during the period of frequency change for a 60-cycle supply. The old municipal station which supplied the 25-cycle power was dismantled when standardization was completed.

Simcoe—The modernization of local street lighting was continued. Underground ducts and 23 new units were installed in the main business district. Seventy-five units were converted from series to multiple system on residential and industrial streets.

Stratford—In anticipation of frequency standardization, a 5,000-kva, 60-cycle distributing station was placed in service. Several power service customers were supplied at 60 cycles in the latter part of the year.

Waterloo—The change-over from series to multiple street lighting was carried on and a number of new units were installed.

Under the advanced frequency standardization program, eleven industrial plants undertook, and some had completed, inventory of their 25-cycle equipment.

NIAGARA REGION

Merritton—A new 1,000 1,800-kva, dual-frequency station was completed and will be placed in service at 60 cycles early in 1952.

Niagara Falls—Two 1,500-kva, 60-cycle stations owned by the Niagara Falls Hydro-Electric Commission and two customer-owned, 60-cycle stations were placed in service.

St. Catharines—To meet increased demands, two new 60-cycle substations were built and put in service.

Stamford Township—A new 1,500/2,700-kva, dual-frequency substation was placed in service on Kalar Road.

TORONTO REGION

Aurora—A new Hydro Commission building, including office, garage, and warehouse, was completed and occupied in 1951.

Bolton—Frequency standardization of the local system was completed early in the year.

Brampton—A new municipal substation of 2,000/3,600-kva capacity was installed to supply the northern section of the municipality.



A MOBILE FREQUENCY-CHANGER IN OPERATION

These units are capable of supplying power at 25 or 60 cycles as required in standardization operations

Bronte—On December 3, 1951 the electors of Bronte voted in favour of purchasing power from the Commission under cost contract. Frequency standardization from $66\frac{2}{3}$ to 60 cycles was completed in May 1951.

East York Township—The new Hydro Commission office was completed and officially opened on October 31, 1951. An additional municipal station of 5,000-kva capacity and a new customer-owned substation were placed in service in December 1951.

Etobicoke Township—Two new distributing stations, Humber Bay and Westmount, were constructed to serve the township load. The capacity at Rosethorn Distributing Station was increased from 3,000 to 6,000 kva. Seven new power service customers taking power at 26.4 kv were connected during 1951. Frequency standardization was completed in late 1951 except for a small area. A new garage building was constructed to accommodate 22 vehicles.

Markham—Frequency standardization of the local system was completed early in 1951.

Mimico—A 2,500-kva temporary station was installed to facilitate rebuilding of the present Municipal Station No. 1. Frequency standardization was completed in 1951.

Newmarket—Approximately 275 acres of Whitchurch Township were annexed by Newmarket. Thirty customers were taken over from Richmond Hill Rural Operating Area.

New Toronto—Frequency standardization of the larger power service customers commenced in 1951.

North York Township—Five new municipal stations having two 60-cycle units of 5,000 kva each, and three dual-frequency, 3,000/5,400-kva units went into service in the year. Two new customer-owned industrial substations were connected. Frequency standardization of 2,068 customers in the westerly portion of the township was carried out. There were approximately 4,500 new services connected in 1951.

Oakville—Frequency standardization from $66\frac{2}{3}$ to 60 cycles was completed in May 1951. A 2,000-kva temporary municipal station was placed in service to take care of load growth.

Port Credit—The first Public Utilities Commission for the municipality was elected in 1951.

Scarborough Township—A new 3,000-kva municipal station and two new customer-owned substations were placed in service in 1951.

Approximately 2,500 new services were connected during the year.

Swansea—Frequency standardization of the local system was completed in the fall of 1951. A new municipal station of 3,000-kva capacity was constructed.



Temporary 60-cycle distributing station installed at the Canadian National Exhibition,
Toronto



TORONTO TOWNSHIP-The new office building of the Hydro-Electric Commission

Toronto—A supply of 60-cycle power at 13.2 kv was made available to the system from Strachan, Wiltshire, and Thorncliffe Transformer Stations. Satisfactory progress was made in the work of installing an underground 13.2-kv cable system to supply 60-cycle power to industries for new and growth load and for frequency standardization in plants having growth load. Sixty-cycle power was provided for street lighting from Terauley and Carlaw substations, and for the Toronto Transportation Commission's Pleasant Boulevard and Coxwell Avenue substations.

During the year the removal of all overhead lines and poles on College Street from Yonge Street to Spadina Avenue was completed. Similar removal was started on Gerrard Street.

Toronto Township—A new office and stores building was completed and officially opened in June 1951. A new municipal station of 2,000/3,600-kva capacity was also constructed in the Erindale area to take care of load growth.

Trafalgar Township—Frequency standardization from $66\frac{2}{3}$ to 60 cycles was completed in May 1951.

Weston—A new municipal station of 2,000/3,600-kva capacity was constructed.

Woodbridge—Frequency standardization of the local system was completed early in 1951.

York Township—Four new 60-cycle temporary substations and distribution facilities were installed under the advanced frequency standardization program to provide power at the higher frequency for load growth and new customers in this municipality.

GEORGIAN BAY REGION

Barrie—A modern office building providing spacious accommodation was officially opened on November 14, 1951.

A new municipally-owned, 3,000-kva distributing station was put in service to supply the load in the eastern portion of the town.

Grand Valley—Extensive rehabilitation of the distribution system has been completed.

Holstein—A line rehabilitation program has been completed in preparation for changing the distribution system from 4-kv to 8-kv operation.

Magnetawan—The Corporation entered into an agreement with the Commission for a supply of power. A public utilities commission was formed, the distribution system was purchased from Daley Bros., and extensive rehabilitation work completed. Connection was made to the Southern Ontario System on July 12, 1951.

Midland—A new municipally-owned, 3,000-kva station was put in service to supply power at 4,160 volts in preparation for a distribution voltage change from 2,300-volt delta to 4,000-volt Y operation.

Owen Sound—The change of distribution voltage from 2,300-volt delta to 4,000-volt Y operation has been completed.

Port McNicoll—The Canadian Pacific Railway grain elevator, previously supplied as a Georgian Bay Division customer, was transferred to the local municipal system. The average municipal load was thus increased from 160 to 1,325 kilowatts.

Southampton—The distribution system was changed from 2,300-volt delta to 4,000-volt Y operation and extensive rehabilitation work was carried out.

Village of Wasaga Beach—On August 25, 1951 the Corporation voted in favour of entering into a cost contract for power with the Commission.

EAST CENTRAL REGION

Belleville—A new 3,750-kva substation, Municipal Station No. 3, was added to serve the southeast section of the city.

Bloomfield—New multiple street lighting was installed on the main street. A new 300-kva temporary distributing station was installed by the Commission to serve the municipality.

Bobcaygeon—The capacity of the distributing station serving Bobcaygeon was increased to meet the growing loads in the municipality.

Bowmanville—A water-heater control system was installed.

 $\begin{array}{c} \textbf{Cobourg} {\longleftarrow} \textbf{Work was commenced on the installation of a new street-lighting system.} \end{array}$

Kingston—The conversion from series to multiple street lighting was started.

Lindsay—A new 44-kv line was constructed from Albert Street Junction to the proposed new Lindsay Distributing Station.

Marmora—The distributing station capacity was increased to 600 kva to provide for increased load.

Napanee—Work was started on a new pole line from the distributing station to provide an auxiliary source of supply to the municipality.

Norwood—The entire distribution system was rebuilt during the year and a new street-lighting system installed.

Oshawa—The municipality annexed a large section of the surrounding rural district on January 1, 1951. This resulted in the addition of approximately 2,300 new customers to be served by the Oshawa Public Utilities Commission.

Port Hope—New series street lighting was installed on the main street.

Stirling—A new 1,000-kva distributing station was installed to replace the existing distributing station, which was overloaded.

EASTERN REGION

Alexandria—Approval was given for the Public Utilities Commission to erect a new public utilities building. Construction of this building is nearing completion.

Arnprior—Approval was obtained for capital expenditures to cover improvements in the distribution system, and the erection of new streetlighting equipment.

Athens—Authority was granted for an expenditure to modernize the street-lighting system.

Cobden—Approval was obtained for capital expenditure to complete the voltage change-over and the rehabilitation of the local distribution system.

Eganville—On October 1, 1951 this municipality entered into a cost contract with the Commission. Initial service will be taken early in 1952.

Ottawa—Approval was obtained for capital expenditures to cover the increase in capacity of existing distributing stations and the installation of a new distributing station to meet increasing demands in the enlarged city area.

Renfrew—Approval was given to an expenditure which would provide for standardization of the distribution system voltage and for changes in the generating stations of the Renfrew Hydro-Electric Commission.

Richmond—This municipality obtained its power supply from a new distributing station located just outside the village.

Winchester—The capacity of the distributing station was increased from 600 kva to 2,000 kva.

Northeastern Region

Capreol—The capacity of the municipal station was increased from 450 kva to 1,500 kva.

Hearst—Municipal by-laws were passed giving approval to a power agreement with the Commission and expenditures for a distributing station. Temporary power was first supplied on December 21, 1951.

Massey—A valuation of the distribution system was made with a view to obtaining a power supply from the Commission. The ratepayers voted in favour of an agreement with the Commission.

Sturgeon Falls—Power was first supplied by the Commission under a contract on April 1, 1951.

Sudbury—A new municipal station was installed with a capacity of 5,000 kva.

Timmins—The capacity of Municipal Station No. 1 was increased to 5,000 kva. The distribution system was changed from 2,300-volt delta to 4,000-volt star operation.

Webbwood—A valuation of the distribution system was made with a view to obtaining a power supply from the Commission. The ratepayers voted in favour of entering into an agreement with the Commission.

West Ferris Township—An agreement was signed with the Commission for a supply of power and the purchase of the distribution system.

NORTHWESTERN REGION

Improvement District of Atikokan—The distribution system has been extensively enlarged to take care of the expansion of the municipality resulting from the increased development of Steep Rock Iron Mines Limited.

Fort William—A second unit-type distributing station having an initial capacity of 4,000 kva has been constructed. Orders have been placed for equipment which will increase this distributing station to 8,000 kva in 1952.

Nipigon Township—The distribution system has been rebuilt and overhauled preparatory to changing from 2,300-volt to 4,000-volt operation.

Port Arthur—The installation of the third cottage-type distributing station was completed. Its 3,000-kva capacity is to take care of increased loading on the system.

The street-lighting system was improved by the installation of 200 new pendant-type luminaires.

Improvement District of Terrace Bay—The distribution system was extended very considerably because of the housing program required by the expansion of Long Lac Pulp & Paper Company, Limited.

SUMMARY TABULATIONS AND GRAPHS

The accompanying tables relating to municipalities, groups 1, 2, and 4, give information on consumption and cost for domestic and commercial light services for the years 1914 to 1951. The graphs show corresponding data, by groups according to population. The larger voted areas in which the population exceeds 10,000 (see statement "D") are grouped for these graphs with the cities.

The municipalities referred to in 1951 include the 26 whose utilities are owned and operated by the Commission in addition to those 324 whose

DOMESTIC SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 4
1914 to 1951

Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly consumption
	\$	kwh	No.	cents	\$	kwh
1913	730,168 854,748 992,628 1,340,855 1,583,677 1,933,577 2,514,658 3,086,051 3,761,172 4,955,420 5,548,835 6,414,134 7,353,394 8,497,190 9,411,812 10,256,860 10,752,720 11,226,091 11,676,222 11,639,178 12,078,069 12,393,536 12,922,466 12,680,921 12,880,180 13,300,898 13,905,290 14,452,796 15,022,931 15,069,547 15,528,445 16,053,818 17,526,854 18,937,674 20,295,932 21,947,915 29,064,176 32,9905,664	14,359,100 20,935,000 29,359,900 41,930,200 52,731,700 68,409,100 98,211,000 124,619,800 166,182,000 242,926,600 292,608,400 342,356,700 404,722,959 469,851,690 551,010,035 612,141,722 671,028,310 704,784,457 740,900,418 742,195,402 797,532,709 826,972,873 881,972,324 926,350,703 1,003,489,453 1,056,310,109 1,115,888,837 1,169,273,964 1,224,195,712 1,266,930,625 1,348,099,019 1,494,258,124 1,704,125,246 1,870,974,898 2,032,922,876 2,224,473,480 2,805,149,825 3,165,537,195	49,200 64,866 85,865 108,364 131,313 146,885 169,455 193,892 219,465 245,577 286,852 303,787 326,307 349,882 387,573 408,071 424,419 433,260 447,466 452,615 460,878 463,913 471,265 482,557 490,140 507,132 518,123 531,514 546,613 559,605 570,470 579,890 608,905 628,118 648,282 671,914 706,294 767,286 800,033	5.08 4.08 3.42 3.20 3.00 2.82 2.56 2.48 2.26 2.04 1.89 1.85 1.81 1.67 1.61 1.59 1.57 1.57 1.57 1.57 1.57 1.57 1.28 1.26 1.25 1.24 1.28 1.26 1.25 1.24 1.29 1.10 1.01 1.01 1.01 1.01 1.09 1.04 1.04	1.06 0.92 0.82 0.91 0.92 1.01 1.15 1.24 1.34 1.56 1.67 1.79 1.87 1.97 2.05 2.19 2.12 2.15 2.10 2.17 2.19 2.23 2.14 2.18 2.20 2.24 2.24 2.20 2.23 2.24 2.59 2.15 3.43	21 22 24 29 31 35 45 50 59 76 80 90 98 103 115 122 130 133 136 134 143 146 152 157 165 170 175 178 182 185 194 205 226 240 252 262 304 330
			t .			

utilities report as customers of the Commission in statements "A", "B", and "D" in Section VIII of this Report. Figures on revenue and consumption for the five additional municipalities served through those 324 customer utilities are, of course, incorporated. The consolidated balance sheet and operations reports of these utilities are to be found on pages 112-115 in Section VIII.

COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 4

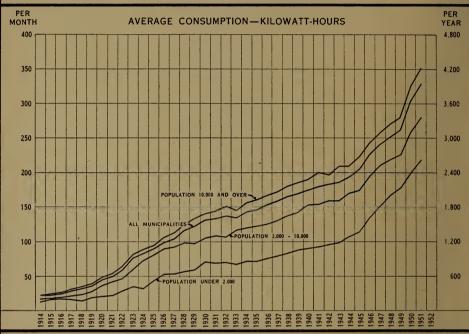
1914 to 1951

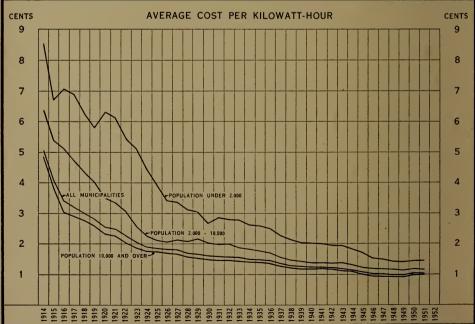
			-			
Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly consumption
1010	\$	kwh	No.	cents	- \$	kwh
1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947	\$ 624,781 649,585 753,784 860,475 947,769 1,158,406 1,477,963 1,818,211 2,143,981 2,613,257 2,907,427 3,836,946 4,176,595 4,823,781 5,436,795 5,893,217 6,094,871 6,377,520 6,402,882 6,149,792 6,344,921 6,601,461 7,001,893 6,676,968 6,909,454 7,256,262 7,785,024 7,991,091 7,695,928 6,787,241 7,298,848 8,429,573 9,364,009 10,277,574	15,669,700 21,444,900 26,866,000 31,983,500 35,053,500 47,087,000 59,336,900 68,863,500 81,216,000 105,482,600 120,474,800 151,555,200 171,797,014 200,606,137 234,526,831 272,343,330 287,838,022 305,121,640 306,596,543 292,335,489 306,632,722 327,413,421 355,235,553 393,067,119 427,020,841 459,635,100 508,986,422 540,995,581 531,680,336 472,129,977 524,905,356 634,878,480 725,475,237 797,642,711	No. 13,113 15,657 19,324 22,216 27,453 29,570 33,307 36,496 39,333 43,098 46,383 50,137 56,018 58,444 64,039 68,013 70,106 71,873 75,286 75,705 75,443 75,016 74,884 75,878 76,620 78,021 78,949 79,512 79,824 77,326 76,194 78,256 84,413 89,109 91,926	cents 4.00 3.03 2.82 2.69 2.70 2.46 2.50 2.64 2.64 2.41 2.54 2.43 2.40 2.32 2.16 2.11 2.09 2.09 2.10 2.07 2.02 1.97 1.70 1.62 1.58 1.53 1.48 1.44 1.39 1.33 1.29 1.29	\$ 3.63 2.95 2.87 2.77 2.70 3.03 3.51 3.98 4.26 4.80 4.99 5.98 6.08 6.39 6.66 7.11 7.15 7.20 7.05 6.79 7.05 7.35 7.69 7.26 7.38 7.66 8.16 8.34 8.29 7.42 7.77 8.32 8.36	8wh 91 97 102 103 99 123 140 151 162 196 207 235 250 267 287 329 338 344 338 323 341 364 390 428 456 485 533 565 573 516 559 627 679 723
1948 1949 1950	10,182,051 10,890,639 15,231,494	769,650,340 819,475,244 1,080,316,296	95,239 98,682 107,817	1.32 1.33 1.41	8.91 9.20 11.73	673 692 832
1951	17,549,402	1,254,339,597	111,154	1.40	13.16	940

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE

MUNICIPAL ELECTRICAL UTILITIES

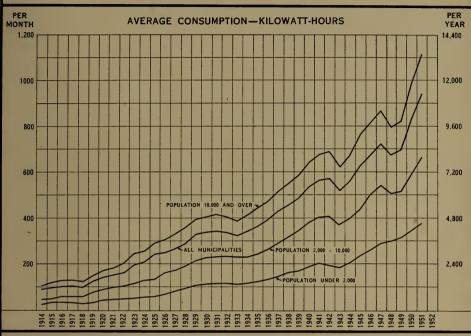


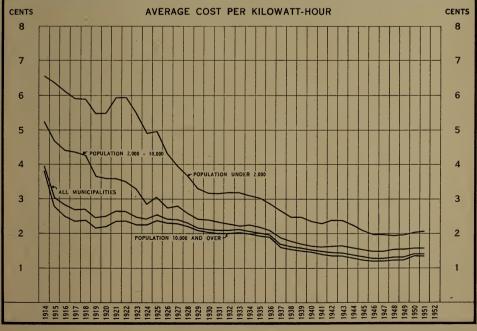


THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

COMMERCIAL LIGHT SERVICE

MUNICIPAL ELECTRICAL UTILITIES





FREQUENCY STANDARDIZATION

During 1951 the Frequency Standardization Division has standardized at 60 cycles a customer load estimated at 195,000 kilowatts at time of standardization. Of this load 178,000 kilowatts came under the main program and 17,000 kilowatts under the advanced program undertaken by municipalities. It is estimated that 312,000 kilowatts in terms of customer load at time of standardization have been standardized since the commencement of the operation.

At December 31, approximately one-third of the area comprising the "25-cycle island" of the Southern Ontario System had been standardized.

The main program has been carried out in three areas simultaneously from operating bases in Greater Toronto, London, and Seaforth. In the Toronto area, when standardization was completed in Markham, Woodbridge, Bolton, and surrounding districts, the base of operations was transferred to the A. W. Manby Service Centre at Islington. From there standardization was completed in the lakeshore municipalities of Swansea, Mimico, Oakville, Bronte, and parts of North York and Weston. Similarly when the London area was standardized arrangements were made to transfer operations to Windsor where some industrial standardization began about midyear. At the end of the year the area surrounding Seaforth and St. Marys was standardized and the local base of operations moved to Stratford.

The following table summarizes the progress of frequency standardization, under the main program, up to December 31, 1951.

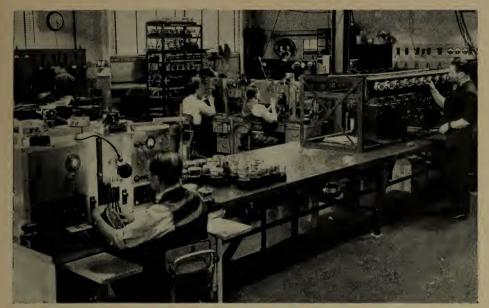
PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF CUSTOMERS

Class of customer	Standardized during 1951			Cumulative total to December 31, 1951		
	Customers	Connected hp	Items	Customers	Connected hp	Items
Domestic	*12,152 7,172 *975	146,086 *40,845	299,870 *21,593 48,466 *1,010 69,305 *8,886	145,288 *16,507 13,280 *1,037 1,885 *450	241,048 *50,755	562,416 *30,706 87,312 *1,262 100,175 *10,279
Total	92,364	186,931	449,130	178,447	291,803	792,150

^{*}Standardized by customers through local dealers or contractors.

In addition to the completed program reported in the above table, the equipment of an additional 38,559 customers representing 216,773 items has been inventoried and other preparations were made for standardization during 1952.

With a view to curtailing load growth on the 25-cycle system a number of customers who planned extension of their plants have been authorized to proceed with standardization. The customers so authorized represented a



METER-SHOP AT A. W. MANBY SERVICE CENTRE
Meters are being tested after conversion to 60-cycle operation

total of over 16,000 connected horsepower. Through the regional offices 232 industrial customers were authorized to proceed with inventory of equipment, engineering, and estimating the cost of standardizing their plants, an operation involving 204,103 connected horsepower.

Special consideration is being given to the reclamation of equipment removed from customers' premises under the program. The service shop at A. W. Manby Service Centre has developed rewind designs for many 25-cycle motors. Of the 44,000 motors rewound for 60-cycle operation during the year, 24,000 were rewound by the service shop. Salvage equipment amounted to more than ten thousand tons.

Through agreements negotiated with manufacturers, the manufacture of dual-frequency equipment for sale in the 25-cycle area was extended. To December 31 a total of 213,000 dual-frequency lighting ballasts and 38,000 pieces of other dual-frequency equipment had been manufactured and sold under these agreements. Investigations are being carried out on dual-frequency refrigerator units, and production of these units is considered a possibility in the near future. The use of such dual-frequency equipment will materially reduce the cost of the frequency standardization program.

The conversion of meters for the municipalities was carried out with increased efficiency. Approval has been obtained for the standardization of some older types of meters with a resulting reduction in cost.

For the handling of service calls during standardization Commission trucks have been equipped with two-way radio sets. Servicemen are despatched from one customer to the next by radio message from the operating area office. This procedure, inaugurated this year, has resulted in particularly prompt and efficient service.

SERVICE TO DIRECT INDUSTRIAL CUSTOMERS

Power service customers are normally supplied with power by municipal electrical utilities or rural operating areas. If, however, the customer cannot conveniently be served through the normal supply channels, or is located in unorganized territory, he may be supplied as a direct industrial customer of the Commission. The 203 industrial customers supplied in this way in 1951 represent most of the basic industries in the Province.

The following summary of direct industrial customers, grouped according to types of industry, shows for each group the kilowatt-hours of energy used and the average of the monthly peak loads for 1951.

PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL CUSTOMERS, BY TYPES OF INDUSTRY

Type of industry	Average of the monthly peak loads kilowatts	Energy used kilowatt-hours
Pulp and Paper	. 170,461.8	1,269,371,038
Mining:		1
(a) Gold	. 94,408.8	644,108,190
(b) Silver and Cobalt	. 2,587.5	12,239,540
(c) Base Metals	. 92.647.8	668,189,786
(d) Non-Metals		14,693,501
Quarrying, Cement, Basic Building Materials	19.336.8	122,034,538
Ctasl and Electre Metall-maiosl	214,921.0	1.119,754,038
Steel and Electro-Metallurgical	. 214,921.0	
Abrasives	. 71,415.6	523,744,126
Chemical, Electro-Chemical (including Cyanamid)	. 146,493.2	1,106,095,470
Grain Elevators and Milling	. 8,288.4	36,193,400
Transportation Services and Communications	2.931.0	9,798,197
Government Services and Institutions	13,732.6	66,300,991
General Manufacturing	47,594.7	234,785,182
Missellaneous	51,993.3	419,436,919
Miscellaneous	. 31,993.3	419,430,919
Total	. 939,263.5	6,246,744.916

The amount of energy used by the pulp and paper plants in 1951 increased 7.7 per cent over 1950, owing in large measure to the modernization and increased output of existing plants.

In spite of prevailing difficulties, the gold-mining industry increased its use of energy by 3.3 per cent. The energy consumption of silver-cobalt mines, while small in total, reflects the favourable price of silver and the urgent demand for cobalt, and increased by some 41 per cent over 1950. The base-metal mines, as a result of higher demands for nickel, especially by defence industries, increased energy consumption by some 23 per cent. It is interesting to note that in 1951 for the first time the base-metal mines in Ontario purchased more energy from the Commission than the gold mines.

The steel and electro-metallurgical industries used some 34 per cent more kilowatt-hours for furnace loads, while another major user of electric furnace power, the abrasive industry, increased its consumption by 45 per cent.





FREQUENCY STANDARDIZATION-INDUSTRIAL

Left: A linotype machine in a printing plant Right: A punch press in an automotive plant

In the electro-chemical industry in the Province there was an increase of 17 per cent in the amount of energy used. A large part of this increase occurred in the manufacture of chlorine and caustic soda. The special industries grouped under "General Manufacturing" showed an increase of 20 per cent in energy consumption largely due to defence production.

INDUSTRIAL SURVEYS

As a service to municipal, rural, and direct industrial power customers, surveys were conducted in 69 industrial plants throughout the Province in 1951. These surveys are made for the purpose of improving the plant power factor. Increase in efficiency either through correct loading of motors or through improvement in the plant distribution system usually results in the reduction of the customer's cost of power.

The survey is of special value to medium-sized plants which normally do not have sufficient technical and engineering services within their own organization to perform this type of work.

SALES SERVICE

Field representatives are in constant contact with municipalities and assist the utility in familiarizing customers with the merits and successful operation of flat-rate water heating. Sectioned water-heater displays, made available by the Consumer Service Division, are used by various municipal utilities to promote the most efficient type of service.

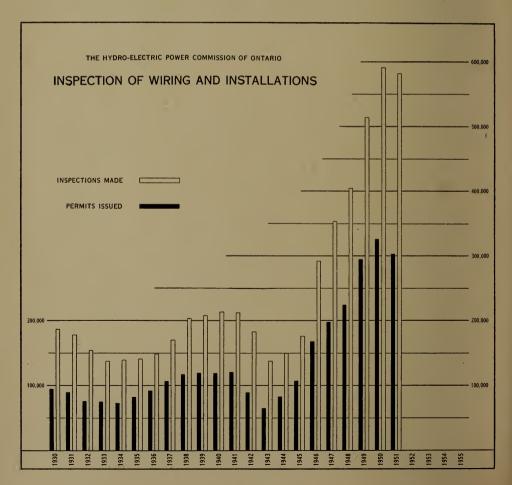
LIGHTING SERVICE

During the year 1951, the Commission prepared lighting plans and specifications for 417 lighting installations. Of this number, 320 were for the purpose of assisting the Ontario Department of Education in providing adequate lighting for schools. The remaining 97 included lighting for offices, public buildings, industrial installations, sports areas, and municipal street lighting.

ELECTRICAL INSPECTION

The year 1951 saw a levelling off in building construction. In the Electrical Inspection Department there was a comparable decrease of 6.49 per cent in the number of permits issued and a decrease of 1.08 per cent in the number of inspections made.

However, there was an increase of 11.4 per cent in the number of special inspections completed by the Sales Control Section on electrical equipment not approved by the Canadian Standards Association.



Electrical accidents reported to the Electrical Inspection Department during 1951 claimed the lives of 19 persons. Eleven came in contact with high-voltage conductors while operating mobile cranes, hoists, or similar machinery. There were sixteen fires directly attributable to electrical causes.

The revised Regulations of The Hydro-Electric Power Commission of Ontario, made under The Power Commission Act, were approved by the Commission December 20, 1951, officially filed December 27, and became law in the Province at that time. The revised regulations comprise, mainly, the Canadian Electrical Code, Part I, 5th Edition, in the form required by the Regulations Act, together with regulations affecting the approval, sale, and use of electrical equipment.

SECTION IV

RURAL ELECTRICAL SERVICE

Thirty Years' Progress—Load Growth and Average Cost—Rate Adjustment—Trend in Seasonal Load—Rural Line Construction

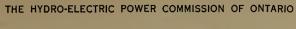
JUNE 1, 1951 was the thirtieth anniversary of the coming into force of The Rural Hydro-Electric Distribution Act. This measure was directed towards the extension to rural Ontario of electrical service with all its benefits both social and economic. It was evident that electricity could provide the farmer with dependable and effective power for the varied functions of the agricultural industry. It could also add immeasurably to the efficiency, comfort, and convenience of rural living. In the past three decades remarkable progress in the electrification of rural Ontario has been achieved by the Commission with the active co-operation of the Provincial Government.

Capital Investment

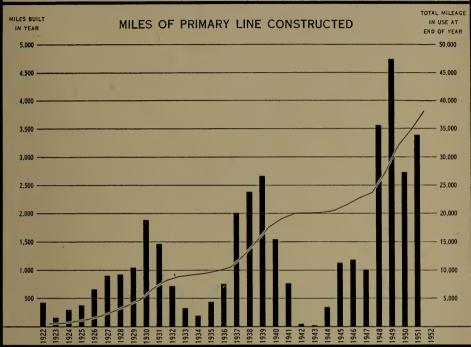
The Government, recognizing that the initial capital cost of providing electric power might prove excessive for the sparsely settled rural areas, in 1921 undertook to provide through rural grants-in-aid half the capital cost of transmission facilities to make service available. Over the thirty-year period these grants have totalled over \$63 million. The Government's share of the \$20.3 million spent in 1951 on the Commission's rural program was \$10 million. The total capital cost of rural lines at December 31, 1951 was over \$127 million.

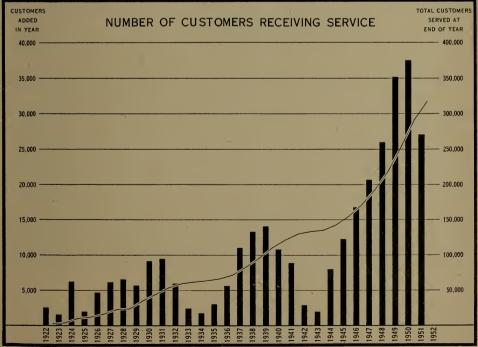
Status of Rural Service

At the end of 1951 the Commission was serving within its amalgamated rural power district a total of 318,606 customers through 103 rural operating areas. Despite the transfer during the year of about 6,000 customers to municipal systems, the number so served under the Commission showed a net increase of 25,795 customers. This total is almost six times the number served in 1931 and nearly two and a half times the number in 1941. These customers are located in 7 towns, 139 villages or police villages, 526 organized and 143 unorganized townships, and 4 improvement districts.



RURAL POWER DISTRICTS





Of the total customers served during 1951, 123,434 are farm service customers. A farm service customer, as defined by the Commission, has contracted for a minimum demand of three kilowatts to be used for the production of food or industrial crops on properties normally exceeding five acres in extent. The total kilowatt-hours consumed by customers within this classification in 1951 was 410.7 million. This is over sixteen times the 25.7 million kilowatt-hours used for farm purposes in 1931 and nearly four times the 107 million used in 1941.

This tremendous increase in energy consumption is attributable partly to the increase in number of customers served, but almost equally to a growth in consumption per customer. In 1931 there were about 21,000 farm service customers. Three times this number were served in 1941; by 1951 the number had grown to over 123,000. The addition of so many new customers has tended in some years to lower the number of kilowatt-hours consumed per customer. So great, however, has been the increase in consumption by the farm service group as a whole that the average cost to the customer per kilowatt-hour has fallen from 4.39 cents in 1931 to 2.51 cents in 1941, and in 1951 it was 1.97 cents per kilowatt-hour.

Other forms of rural service have also shown increases in energy consumption. The total consumption for all types of rural service in 1951 was over 968 million kilowatt-hours. Within the last eight years, since the revision in classification of service in 1944, consumption by hamlet service



ELECTRICITY FOSTERS GROWTH

Left: In flowers for the market, uniformity and the date of flowering are influenced by use of electric light.

Right: Portable sprinklers powered by electricity can be conveniently moved to cover a large acreage.

customers has increased fourfold and reduced the customer's average cost per kilowatt-hour by 14 per cent; commercial energy consumption is seven and a half times what it was in 1944 and the average cost to the customer is reduced by 13 per cent. Summer service alone is higher by 19.89 per cent in average cost per kilowatt-hour. Summer service has not shown the increased consumption per customer that is common to other types of service and the benefits that normally follow increased consumption are therefore not reflected in lower average costs.

Rates for Rural Hydro Service

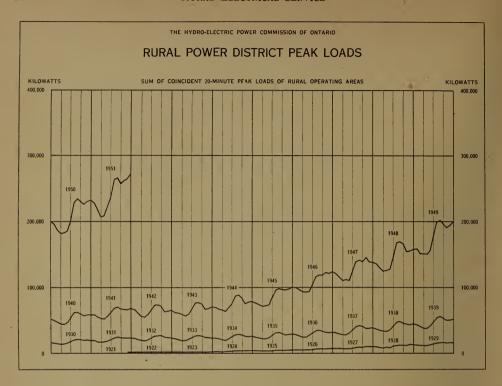
The uniform rate plan upon which the above costs are based was inaugurated on January 1, 1944. The success of the plan was dependent then

RURAL SERVICE SINCE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND NEW CLASSIFICATION, JANUARY 1, 1944.

Service	Year	Ar.nual revenue	Energy consumption	Number of cus- tomers billed	Average revenue per kwh	Average monthly bill	Average monthly consump- tion
Farm service	1944 1945 1946 1947 1948 1949 1950 1951	\$ 2,396,508.94 2,606,431.15 3,072,921.16 3,430,307.61 3,942,730.96 4,508,978.00 7,441,437.92 8,097,710.92	kwh 113,706,660 137,194,727 176,460,859 206,420,795 242,291,332 275,946,330 403,018,641 410,722,321	59,639 65,141 72,285 78,668 87,530 102,051 114,724 123,434	cents 2.11 1.90 1.74 1.66 1.63 1.63 1.85 1.97	\$ 3.53 3.48 3.72 3.79 3.95 3.96 4.90 5.67	kwh 167 183 214 228 243 243 266 287
Hamlet service	1944	1,937,102.28	82,106,734	56,130	2.36	2.95	125
	1945	2,027,283.82	92,056,781	58,867	2.20	2.93	133
	1946	2,345,531.81	118,287,655	66,177	1.98	3.12	158
	1947	2,754,265.69	150,411,043	74,879	1.83	3.24	178
	1948	3,279,149.63	185,225,412	85,598	1.77	3.40	192
	1949	3,552,600.42	200,875,642	94,852	1.77	3.28	186
	1950	5,712,108.72	302,905,040	114,592	1.89	3.90	207
	1951	6,380,808.20	314,271,957	124,091	2.03	4.45	219
Commercial service	1944	341,646.50	15,010,213	8,262	2.28	3.51	154
	1945	381,570.09	18,915,619	8,870	2.02	3.72	184
	1946	468,391.94	25,069,924	10,315	1.87	4.07	218
	1947	572,625.58	33,304,037	11,851	1.72	4.30	250
	1948	706,949.62	41,665,764	13,589	1.70	4.63	273
	1949	1,147,167.71	69,458,813	18,439	1.65	5.97	361
	1950	2,083,696.71	113,039,553	18,749	1.84	8.00	434
	1951	2,284,851.74	115,121,444	20,110	1.98	9.80	494
Summer service	1944	435,622.43	11,859,662	19,291	3.67	1.93	53
	1945	473,887.53	14,250,142	20,947	3.33	1.96	59
	1946	555,833.10	18,352,748	24,244	3.03	2.05	68
	1947	632,102.22	21,116,561	27,182	2.99	2.04	68
	1948	722,951.54	24,440,522	31,088	2.96	2.07	70
	1949	855,107.11	28,038,463	37,313	3.05	2.08	68
	1950	1,376,606.36	32,307,669	43,735	4.26	2.81	66
	1951	1,616,368.92	36,705,187	49,913	4.40	2.86	65

The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

Customers taking power and special services are not listed.



and continues now to be dependent upon revenues from increased sale of energy. The maximum use of facilities is essential in order to produce revenue sufficient to meet fixed costs.

In view of increased costs of material and labour it was necessary in 1950 to increase rates to all types of customer and the new rates, effective on May 1, 1950, are to be found in Appendix III of this Report. The growth in the use of power and the revenues obtained from these new rates materially reduced the deficit in 1950 operation. In 1951 the increased cost of power production is again reflected in rising deficits. Recent studies indicate that some increase in rates will be necessary in 1953 if a sound financial position is to be maintained.

LOADS

The sum of the 103 coincident monthly peak loads of the rural operating areas at its maximum is now almost four times what it was in 1941. This maximum in 1951 was 271,354 kilowatts and it is interesting to note that the maximum occurred in December and that it was 4,643 kilowatts greater than the load recorded in August, which was the next highest load in the year. This load supplied to the rural operating area is naturally affected by the seasonal variation in the number of customers taking service. For example, the number of summer cottages being served is at its maximum in the month of August. The table below shows the trend in growth of the load supplied

during each of the months of August and December expressed as an average per customer served.

Peak Load Supplied to Rural Operating Areas

(expressed as an average per customer served)

Year	In August	In December
	kw	kw
1938	0 . 498	0.537
1939	0.504	0.537
1940	0.514	0.567
1941	0.537	0.601
1942	0.550	0.562
1943	0.572	0.595
1944	0.612	0.628
1945	0.632	0.739
1946	0.686	0.830
1947	0.728	0.836
1948	0.770	0.831
1949	0.792	0.918
1950	0.802	0.933
1951	0.860	1.010





ELECTRICITY IN POULTRY FARMING

Left: Infra-red heat lamps have a wide application in poultry brooding.

Right: Electric poultry-feeders automatically distribute the feed economically, and save labour.

LINE CONSTRUCTION

During the year Commission approval was given for the extension of rural lines in accordance with the table given below. Total mileage constructed was increased by 10 per cent and at the end of the year was approximately 38,200 miles. Including the work incomplete at the end of 1951, requirements for 1952 will involve the erection of approximately 2,500 miles of line. A summary of rural line construction for the year is given in this section. Other statistical tables summarizing the whole rural development program may be found in Appendix III on pages 331-342.



RURAL LINE CONSTRUCTION
Service is extended to new customers in rural Ontarlo.

RURAL LINE EXTENSIONS APPROVED BY THE CCMMISSION DURING THE YEAR 1951

System by	Miles of primary		crease in :		Capital approved for extensions		
regions	line	Farm	Non- farm	Total	Total	Provincial grant-in-aid	
Southern Ontario	No.	No.	No.	No.	\$	\$	
Western West Central Niagara	212.90 272.46 33.42	1,442 1,300 207	3,689 2,828 1,098	5,131 4,128 1,305	2,728,978 2,903,680 493,934	1,364,489 1,451,840 246,967	
Toronto	52.19 941.84 665.21 703.04	386 2,521 1,574 1,203	1,675 4,817 3,892 3,098	2,061 7,338 5,466 4,301	996,846 4,919,326 3,683,594 3,368,316	498,423 2,459,663 1,841,797 1,684,158	
Totals	2,881.06	8,633	21,097	29,730	19,094,674	9,547,337	
THUNDER BAY	121.95	184	471	655	551,628	275,814	
NORTHERN ONTARIO PROPERTIES							
Northeastern	703.80 167.59	1,336 345	3,259 637	4,595 982	4,159,818 716,434	2,079,909 358,217	
Totals	871.39	1,681	3,896	5,577	4,876,252	2,438,126	
Totals—All systems	3,874.40	10,498	25,464	35,962	24,522,554	12,261,277	

SUMMARY—MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING AREAS AT DECEMBER 31, 1951

System by	Miles of	Customers receiving service							Not completed in 1951*	
regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers	
SOUTHERNONTARIO Western West Central Niagara Toronto Georgian Bay East Central Eastern Totals	7,061.92 5,945.39 1,257.25 1,837.41 7,713.00 5,619.08 5,050.19 34,484.24	23,181 5,960 6,488 20,737 15,436 15,044 116,120	26,815 20,907 10,936 12,589 12,983 15,784 10,953	2,786 981 1,245 3,090 2,843 2,614 17,232	2,634 1,830 4,109 20,599 8,341 3,676 47,336	227 120 117 73 94 103	49,735 19,827 24,548 57,482 42,498 32,390 292,638	103.73 39.43 34.23 215.31 179.22 94.73	266 49 113 786 687 566 2,687	
THUNDER BAY	718.77	1,661	1,546	255	405	. 6	3,873	43.48	329	
NorthernOntario Properties Northeastern Northwestern	2,439.70 554.87	4,669 984	11,402 968		1,993 179	62 7	19,681 2,414		994 241	
Totals	2,994.57	5,653	12,370	1,831	2,172	. 69	22,095	293.58	1,235	
Totals–All systems.	38,197.58	123,434	124,883	19,318	49,913	1,058	318,606	1,116.70	4,251	

^{*} Miles of line and total customers, not included in preceding columns.

SECTION V

ENGINEERING AND CONSTRUCTION

Developments on the Ottawa and Niagara Rivers—Power Development
Program—Hydraulic and Fuel-electric Generating Stations—
Transformer Stations and Transmission Lines

THE upward trend in power requirements, discussed in Section I, has continued to tax the capacity of the Commission's Systems. The defence program, which has been a contributing factor to the increased demand, has also had the effect of making the Commission's requirements of material and equipment for its capital undertakings more difficult to obtain. Nevertheless, good progress has been maintained in the construction program, and during 1951 nine generating units at four major generating stations were brought into service.

Included in these nine units was the eighth and final unit at Des Joachims Generating Station which was placed in service on February 22, 1951, bringing the December dependable peak capacity of this station to 380,000 kilowatts. Also included are the last six of the eight units at Chenaux where the final unit was placed in service on September 22, and one unit at each of Richard L. Hearn and J. Clark Keith Generating Stations. Detailed descriptions of these three undertakings are given in the section that follows.

Two other major developments are the Otto Holden Generating Station on the upper Ottawa River and the Sir Adam Beck-Niagara Generating Station No. 2, the largest single power development that the Commission has ever undertaken. The first will virtually complete the Commission's development program on the Ottawa. The emphasis will now shift to the Niagara River, where at Sir Adam Beck-Niagara Generating Station No. 2 plans call for the eventual installation of twelve units, each of 75,000 kilowatts. Seven of these have been authorized for inclusion in the first stage of construction and are expected to be placed in service in 1954 and 1955.

When the Commission began its development program in 1945 it had just one generating station in operation on the Ottawa River. This was Chats Falls Generating Station, owned jointly by the Commission and the Ottawa Valley Power Company. During six and a half years great changes have been made. About 22 miles up the river from Chats Falls now stands



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Power-house site, from across the Niagara River, November, 1951. At the right is Sir Adam Beck-Niagara Generating Station No. 1.

Chenaux Generating Station, its eight units providing 120,000 kilowatts of dependable peak capacity. Some 65 air miles further up the river is the giant Des Joachims Generating Station which has been in full operation since early in 1951 with a dependable peak capacity of 380,000 kilowatts. Another 50 miles up the valley is Otto Holden Generating Station. Its eight units are scheduled to be brought into service progressively after January 1952. Its ultimate dependable peak capacity will be 204,000 kilowatts.

In December 1945 the Commission's dependable peak capacity on the Ottawa River was 85,000 kilowatts. By December 1951 that capacity had been increased to 585,000 kilowatts. When Otto Holden Generating Station is fully in service it will amount to 789,000 kilowatts and will exceed the dependable peak capacity of the Commission's present generating stations on the Niagara River and the Welland Canal. The Ottawa's supremacy will be short-lived, however, because it will end as soon as the first two units of Sir Adam Beck-Niagara Generating Station No. 2 are placed in service. Although the potential of the upper Ottawa has been harnessed in a remarkably short time, the output of each generating unit has been eagerly anticipated. The past two years have been notable for their abundance of water and the new Ottawa River generating stations have produced energy steadily hour after hour. The rapidity with which this output has been used emphasizes the remarkable growth in Ontario's demand for more and more power, and the urgent necessity of developing power from the St. Lawrence.

For convenient reference the table below summarizes the Commission's power development program, 1945 to 1955, as authorized at December 31, 1951. Revisions of the program schedule, conforming with system requirements, have been made so as to achieve a maximum of efficiency.

Summary of Ontario Hydro's Power Development Program—1945-1955 As at December 31, 1951

System and Development In service	peak capacity kilowatts
SOUTHERN ONTARIO SYSTEM	
DeCew Falls (Extension)—Niagara Region	57,000
Stewartville—Madawaska River	63,000 22,500
Emergency fuel-electric units	63,000*
Des Joachims—Ottawa RiverJuly 1950—Feb. 1951	. 380,000
Chenaux—Ottawa River	120,000
Jan. '52—Feb. '53—288,000	376,000†
J. Clark Keith—Windsor	
Otto Holden—Ottawa River	204,000
Sir Adam Beck-Niagara No. 2—Niagara River	525,000**
Thunder Bay System	
Aguasabon—Aguasabon RiverOct. 1948	3 40,000
Pine Portage—Nipigon River	60,000
Northern Ontario Properties	
Ear Falls (Extension)—English River	6,000
George W. Rayner—Mississagi River	42,000

^{*}Including 10,000 kilowatts not available October—December.

The following presents a summary of the Commission's capital expenditure on the power development program, classified under five main headings.

Financial Summary of Ontario Hydro's Capital Development Program November 1, 1945 to December 31, 1951

For Power Generation: Expenditures on projects in service. Expenditures on projects under construction. Unexpended portion of approvals.	121,289,413	PEON ANA 00 4
For Transmission Lines: Expenditures on lines in service. Expenditures on lines under construction Unexpended portion of approvals.	14,172,505	\$539,494,884
For Transformation and Frequency-Changer Station Facilities: Expenditures on facilities in service. Expenditures on facilities under construction Unexpended portion of approvals	\$86,345,128 18,433,385 24,256,328	106,054,159 129,034,841
For Administration and Service Buildings and Equipment: Expenditures on facilities in service. Expenditures on facilities under construction. Unexpended portion of approvals.	902,345	15.781,349
For Rural Construction: Expenditures on lines and facilities in service. Expenditures on lines and facilities under construction. Unexpended portion of approvals. 1952 Program.	7,366,219 4,952,500	
Other Approved Expenditures		104,510,261 78,334,998

\$973.210.492

 $[\]dagger Installed$ capacity of generating station after conversion of first and third units to 60-cycle operation, $400,\!000$ kilowatts.

^{**}Installed capacity.

In addition to the work on construction, topographic and geological surveys were carried out at a number of prospective development sites in northern Ontario, and study continued on the development of the St. Lawrence River for power.

SOUTHERN ONTARIO SYSTEM

Progress on Power Developments

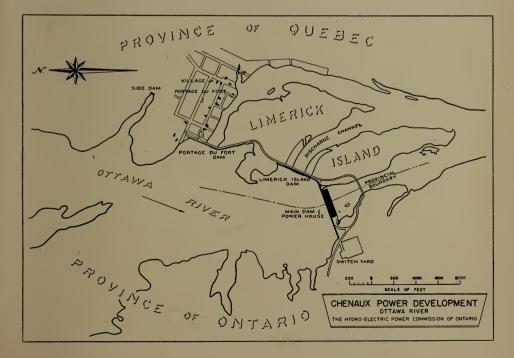
Detailed descriptions are given of the Commission's major hydraulic developments that were fully in service for the first time in 1951, and of the two large fuel-electric stations that were initially operated during the months of November and December.

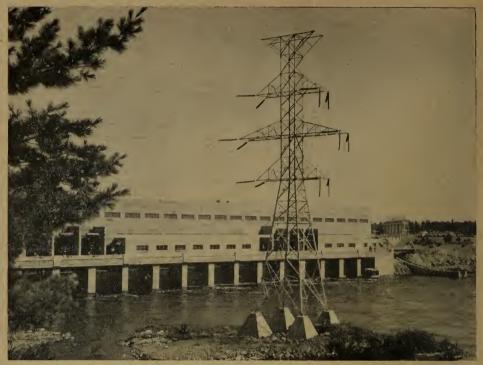
CHENAUX GENERATING STATION—OTTAWA RIVER

The Chenaux Generating Station development takes advantage of the natural fall in the Ottawa River from the outlet of the Bryson channel to Chats Lake. Construction began in June 1948 and was complete except for minor details by December 1951. The eight generating units were successively placed in service between November 20, 1950 and September 21, 1951.

H. G. Acres and Company, Consulting Engineers, were retained for the design of the development, and Pentagon Construction Company were the general contractors. The Commission's staff gave general supervision to the work which at December 31, 1951 had cost a total of \$28,487,808, including generation, transformation, and high-voltage switching at the site.

The accompanying plan illustrates the general arrangement of the project which comprises a main dam and power-house, the Limerick Island Dam and flood-discharge channel, the Portage du Fort Dam, and an auxiliary





CHENAUX GENERATING STATION-Down-stream view of the power-house

dam. The work of construction included the clearing of 2,100 acres of land and the creation of a lake 7 miles long and 1 mile wide, with an area of 4,600 acres.

Construction Procedure

The first work undertaken was the excavation of the Limerick Island Dam foundations and the discharge channel through the island under the protection of cofferdams. When concrete was placed in the Limerick Island Dam the spillways for the twenty-two sluices were kept temporarily at a low elevation. Then the main or interprovincial channel was closed with cofferdams, and the river was diverted through the discharge and Portage du Fort channels. After the necessary excavation in the power-house and tail-race area was complete, construction of the main dam, head-works, and power-house proceeded. At the same time the Portage du Fort Dam was being built.

By the summer of 1950 work on the head-works and power-house substructure had advanced sufficiently to permit bringing the twenty-two Limerick Island sluices up to their final elevations. This operation, made easier by the low summer flows, was completed by the final closure on the six main sluices. In these, rollways were poured after each sluice had been closed by steel emergency stoplogs placed in the checks of the piers.

Main Dam

The main dam is a concrete gravity-type bulkhead structure. The head-works, the power-house, and the two sections that act as wing dams to these have a total length of 1,400 feet. The west section, extending from

the Ontario shore to the power-house, is 600 feet long and has a maximum height of 60 feet. Its up-stream face is vertical; the down-stream face is vertical for 16 feet and then slopes on an 8 to 12 batter. The deck of this section serves as an access road to the head-works. Through the upper part of the dam a cable tunnel connects the power-house with the switchyard. The east section of the dam extends from the power-house to Limerick Island, where it forms a continuous structure with the Limerick Island Dam.

Head-Works

The head-works, 500 feet in length, consists of eight separate intakes, each of which is divided into three passages. The head-works is built integrally with the power-house, and water from the head-pond passes through the intake directly into the concrete scroll-case of the unit. Each passage is protected against debris by trash-racks, and the flow of water can be shut off by means of steel head-gates and emergency steel stoplogs.

The hoists for the head-gates are located in the head-gate gallery. A travelling gantry-crane on the head-works deck, equipped with 25-ton and 4-ton lifting hooks, is used to service this equipment.

Log-Chute

The log-chute head-block is located in the main dam east of the power-house. The sill is 10 feet below regulated head-pond level with a sluice-way opening 20 feet wide, and flow of the water into the concrete log-chute is controlled by a Taintor-type gate. A set of wooden stoplogs is available for closure in winter and under emergency conditions. The transition section down-stream from the head-block directs the flow into the V-shaped trough of the steel-plate log-chute which discharges into the tail-race. The log-chute, supported on concrete cradles, is 200 feet long, 9 feet wide, and varies from 7 to 10 feet in height.

Power-House Substructure

The power-house is located immediately down-stream from the headworks. For each of the generating units the concrete volute scroll-case forms a continuation of the intake structure. The entrance to the turbine wicket-gates is formed by truncated conical sections protruding from the floor and ceiling. This type of construction provides an even flow of water to the propeller-type turbine runners. After passing through the turbine, the water flows through elbow-type concrete draft-tubes and discharges into the tail-race. Each draft-tube can be dewatered by lowering steel stoplogs between the tail-race piers and pumping the water out through drain pipes connected to deep-well sump-pumps.

A 20-ton capacity travelling gantry-crane on the tail-race deck is used to place stoplogs in position, move the transfer truck carrying the 70-ton transformers, and pull the transformers into position.

Extending throughout the substructure immediately above the scroll-cases is the turbine floor. On it are located the sump-tanks for the governor servo-motors; Amplidyne and low-voltage station equipment; and oil, water, and air controls. On the down-stream side of the substructure are three galleries to carry electrical cables and equipment; and service mains for

water, oil, and air. On the same side are manholes giving access to the draft-tubes.

At the west end of the structure space is provided for electrical equipment, stores, workshops, water-supply pumps, oil storage, and oil filters. At the east end is the repair- and welding-shop.

Generating Station Equipment

Eight vertical-shaft generating units, each comprising a fixed-blade propeller-type turbine directly connected to a conventional-type generator, operate at a speed of 94.7 rpm. The turbines and governors were furnished by Dominion Engineering Works Limited and the generators by Canadian General Electric Company Limited. Each turbine has a rated capacity of 21,000 brake horsepower at 40-foot head. The governors are of the twincabinet type, situated up-stream, and centrally placed between each pair of units. The governor pressure-system includes pressure-tanks and sumptanks which are interconnected in pairs to form twin systems. Operation of the pumps is controlled so that one pump supplies both pressure-tanks at normal pressure, while the other functions only when pressure falls to a predetermined amount below normal.

The generators are totally enclosed, 17,000-kva, 0.9 power factor, 3-phase, 60-cycle, 13.8-kv machines. The top of the housing is set flush with the generator-room floor, the upper bracket and main exciter only being



CHENAUX GENERATING STATION-The generator-room



CHENAUX GENERATING STATION—Limerick Island Dam showing six main sluices

above the floor. The cooling-air is circulated by fans and cooled in turn by water circulated through eight cooling-coils. Two of these are mounted at each corner of the square housing.

The normal control equipment has been augmented to provide for automatic starting and stopping of the unit from the control-room. This additional equipment effects automatic speed-matching and synchronizing.

A unique feature of this development is the use, for the first time in Canada, of Amplidyne equipment for voltage regulation of large-capacity hydraulic generators.

The generating station has two electrically-operated cranes, each having a capacity of 100 tons on the main hook, and 25 tons on an auxiliary hook. An equalizer-beam provides for the use of both cranes in the handling of very large loads.

Power-House Superstructure

The power-house superstructure dominates the main dam. In its design aesthetic values have been fully developed to take the maximum advantage of this fact. The main building is of structural steel and reinforced concrete, and forms the erection bay and generator-room. The latter is 640 feet long, 58 feet wide, and 50 feet high.

At the west end are wings for the air-conditioned office and control sections. These, together with the main building, form the main entrance from the parking area and from the approach road. At the east end, the generator hall is extended to accommodate a machine-shop which can be reached by an approach road and bridge over the log-chute. This machine-shop will service all generating stations in the district.

The whole exterior, of sand-blasted horizontal panels, presents a pleasing appearance, which at night is enhanced by flood-lighting.

Limerick Island Dam

Limerick Island Dam, 1,100 feet in length, forms the central portion of the complete dam structure. It extends from the main dam to the east side of the discharge channel on Limerick Island and has a maximum height of 60 feet.

Six main sluices form the centre section of the dam, and on each side are eight subsidiary stoplog sluices. Each of the main sluices is 40 feet wide, with sills 30 feet below regulated water-level. They are controlled by steel sluice-gates of the fixed roller-type, operated by power-driven screw-stem hoists supported by an overhead steel bridge and towers. Each of the sixteen subsidiary sluices is 16 feet wide with sills 23 feet below regulated water-level. The stoplogs are handled by two motor-operated spud-winches.

A discharge channel 600 feet wide and 3,000 feet long carries the water from the sluices into the lower reaches of the river. A roadway slab across the dam replaces the former road.

Portage du Fort Dam

Portage du Fort Dam extends from Limerick Island to the Quebec mainland. It is curved at the Limerick Island shore and is 1,400 feet long, with a maximum height of 70 feet at the sluices. It consists of a concrete core-wall and earth fill and gravity section at the west end, eight stoplog sluices at the centre, and a gravity section at the east end.

Eight sluices control the flow of water for the Quebec channel. They are 16 feet wide with sills 23 feet below regulated water-level. The stoplogs are handled by a motor-operated spud-winch.

Here also a roadway slab across the dam replaces the former road and bridge.

Auxiliary Dam

The auxiliary dam is located on the Quebec mainland about 2,000 feet up-stream from the Portage du Fort Dam. It is a gravity bulkhead section 100 feet long and 20 feet high, and serves to close off a gap in the river valley.

Power into System

The 13.8-kv power from each generator is conducted through 2,000-ampere magna-blast circuit-breakers in a metal-clad structure to the two main transformer banks. Each of these consists of three 23,000-kva, single-phase, water-cooled transformers connected delta-star to step up to 230 kv

with the high-voltage neutral solidly grounded. The transformers in each bank of three have two low-voltage windings each capable of receiving the output of two generators. Thus two main transformer banks on the tail-race deck serve eight generating units.

The switchyard is located on the Ontario mainland west of the powerhouse. The area contains two 230-kv, 800-ampere, pneumatically-operated, oil circuit-breakers with a rupturing capacity of 5,000,000 kva. Each breaker is equipped with its own air-compressor and storage tank, and is arranged for single-pole and three-pole tripping and reclosure. The 230-kv ring-bus is based on the arrangement of one and one-half breakers per element. From this bus, one power circuit on steel towers leads westerly to Ross L. Dobbin Transformer Station at Peterborough. Provision has been made for future switching and power circuits. Two buildings provide accommodation for the line-relaying switchboards, lighting transformers, oil filters, and carrier-current cabinets. Underground ducts and piping carry the control cables and insulating oil from the buildings and oil-storage tanks to the equipment.

Operators' Colony

The operators' colony, which overlooks the Ottawa River, is located on high ground half a mile west of the power-house. At present there are ten permanent and twenty-two temporary houses, two staff houses, and a recreation hall. Garage facilities, water supply for domestic use, and fire protection are provided. The permanent houses are located in an area that has space for twenty-five additional houses; the temporary houses are renovated construction houses.

RICHARD L. HEARN GENERATING STATION (STEAM)—TORONTO

This large fuel-electric generating station located on Toronto's waterfront will, as now authorized, comprise four generating units. These will be completed in two stages. The first will bring into service one 25-cycle unit of 88,000 kilowatts for later conversion to 100,000 kilowatts at 60 cycles, and one 100,000-kilowatt unit operating at 60 cycles. Following completion of this stage early in 1952, the third and fourth units, with similar capacity, will be placed in service during 1952 and early 1953. The original estimated cost of this four-unit station was \$66,750,000. More recent cost studies have resulted in a revised estimated cost of approximately \$60,000,000, including 13.8/115-kv high-voltage transformation and switching at the site.

The station was formally opened on October 26, 1951 by The Hon. Leslie M. Frost, Prime Minister of Ontario, assisted by Richard L. Hearn, General Manager and Chief Engineer of The Hydro-Electric Power Commission of Ontario, after whom the station was named. On that occasion the first unit was placed in operation at 25 cycles. Unit No. 2 will be placed in service in 1952.

During 1951 good progress was made on the extension for the third and fourth units, including work on piles, foundations, structural steel erection, and brickwork. Stone and Webster Engineering Corporation, who were responsible for the engineering for the undertaking, are also supervising the construction of the buildings and the installation of the equipment.



RICHARD L. HEARN GENERATING STATION, TORONTO—Aerial view, September, 1951

Site

The Richard L. Hearn Generating Station is located on a 48-acre site on Toronto's waterfront between the harbour ship channel on the north, and Unwin Avenue on the south, and adjoining the circulating channel on the east. Adequate cooling-water will be drawn from the ship channel and discharged into the circulating channel.

Structures

The structures are supported on 20-inch compressed-concrete piles. They have structural steel frames with brick walls, and include the following: a main power building with control bay; an intake building enclosing the well, screens, and pumps; the coal-crusher house; and the service building for the coal-handling equipment.

The main power building houses the steam generators, turbine generators, and associated equipment; an annex to this building contains the offices, laboratory, locker-rooms, electrical shop, and machine-shop.

Equipment Arrangement

The modern unit system is used; each steam generator is connected directly to one turbine generator with its condenser and unit feed-water heating system, and the electric generator is solidly connected to its own transformer bank.

Steam Generators

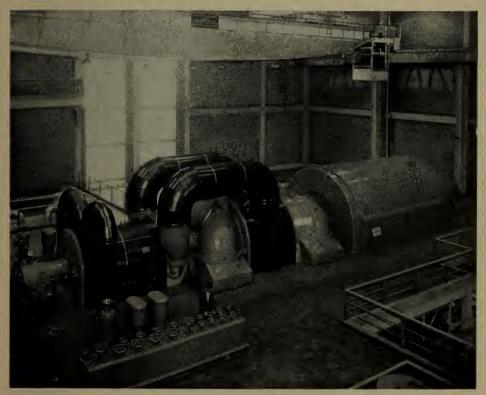
The steam generators are of the radiant water-wall type, complete with economizers and superheaters. They will produce 850,000 pounds of steam per hour at 875 pounds per square inch gauge pressure (psig) at a temperature of 900 degrees Fahrenheit at the superheater outlet, with feedwater at 365 degrees Fahrenheit and one per cent blow-down. Each steam generator is equipped with sixteen burners, which are fed from four pulverizers.

Air for combustion for each steam generator is supplied by two forceddraft fans. Outside air is drawn in and forced through two regenerative air-preheaters which recover heat from flue-gases leaving the economizer section of the steam generator. Part of the air thus preheated is forced through the pulverizer and carries powdered coal to the burners.

The flue-gases, after giving up heat in the air-preheater, are drawn through mechanical collectors and electrostatic precipitators by two induced-draft fans and are then discharged into brick chimneys. The performance of this equipment guarantees the removal of over 95 per cent of the solids in the gases.

Steam Turbines

The turbines take steam at the throttle at 850 pounds psig at a temperature of 900 degrees Fahrenheit, and exhaust at 1.5-inch mercury absolute.



RICHARD L. HEARN GENERATING STATION-Steam turbine generator No. 1

They are two-cylinder, tandem-compound reaction type. The low-pressure cylinder has two exhausts, both of which are connected to one condenser. The convertible unit turbines will turn at 1,500 rpm for 25-cycle and at 1,800 rpm for 60-cycle operation. The 60-cycle turbines will turn at 1,800 rpm.

Main Condensers

The condensers are of the two-pass type, each containing 60,000 square feet of cooling-surface made up of ten thousand 7/8-inch OD Admiralty metal tubes, 26 feet long, through which the cooling-water is pumped.

Cooling-Water

One screen-house for the screening and chlorination of the water is provided for two main condensers. The water enters the screen-house well through electrically-driven and automatically-washed travelling screens.

After treatment with a minimum amount of chlorine to prevent the formation of slime in the condenser tubes, the water is forced through two concrete pressure-pipes, 54 inches in diameter, to serve the main condensers of two units. Booster pumps draw from these lines for other auxiliary cooling and services. Two main condensers discharge into a steel "Y" section, which connects to a 78-inch concrete pipe. This pipe carries the water to the outfall structure at the circulating channel, where it returns to the lake.

Feed-Water Heating System

Each steam turbine is provided with five extraction connections, four of which are used for the present feed-water heating system.

Treated water is evaporated to make up the unavoidable losses of steam and condensate due to blow-down, soot-blowing, etc.

Electric Generators

Each convertible unit generator is provided with a two-pole and a four-pole rotor. The two-pole rotor, for operation at 1,500 rpm and 25-cycle frequency, will produce 88,000 kilowatts at 1.0 power factor, 3-phase, 11,200 volts. The four-pole rotor, for operation at 1,800 rpm and 60-cycle frequency, will produce 100,000 kilowatts at 1.0 power factor, 3-phase, 13,800 volts.

Hydrogen cooling will be provided under a pressure of a half pound psig for normal capacity, and 15 pounds psig for overload.

The main and pilot exciters for both the convertible and 60-cycle generators are direct-connected to the generator. Each generator is solidly connected by an isolated phase-bus to its main transformer or transformers. Two main transformers are required for each convertible generator at 25 cycles and one for each 60-cycle machine. These are located in cells adjoining the wall of the main station building.

Control-Room

The control-room, on the same level as the main turbine units, is sound-proofed, air-conditioned, and illuminated by indirect fluorescent lighting. Two bay windows in the north wall overlook the switchyard and the main transformers.



RICHARD L. HEARN GENERATING STATION—Control-room completed for three units

A semi-circular instrument board 7 feet 6 inches high, with a semi-circular bench-board in front, directly faces the operator's desk. The instrument board includes the machine panels with all the necessary indicating and recording instruments, and the station service instruments. The bench-board is arranged so that all leads enter from below. On the bench-board top the 115-kv circuit and the bus are represented by a single-line diagram using coloured plastic materials; major pieces of equipment at the station are designated by nameplates.

From the control-room all high-voltage switchgear is remotely controlled, and the main units are synchronized and loaded as required. On the floor immediately below the control-room is the enclosed relay-board, arranged for leads to enter from both above and below.

Auxiliaries

All auxiliaries are driven by 60-cycle motors fed from a unit transformer, or in an emergency, from an outside source.

Coal Handling

Self-unloading boats in the ship channel unload directly to the coal storage pile. Bulldozers and carry-alls distribute the coal in layers to a height of 35 feet or more.

Coal for use in the station is moved by the same mobile equipment to a reclaim hopper from which it is fed to a belt conveying system. This passes the coal through preliminary crushers and transports it to a point over the main coal bunkers where it is distributed by a travelling tripper.

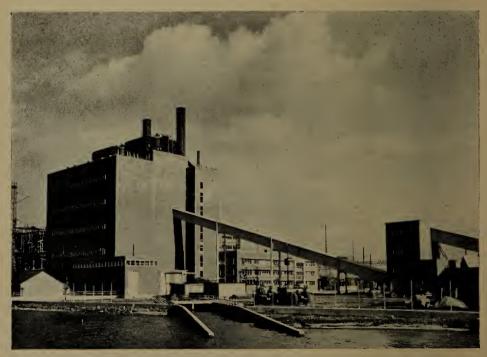
Ash Disposal

Fly ash from the mechanical collectors and electrostatic precipitators is handled pneumatically to a point where it is made into a slurry with the "hopper" and "bottom" ash and pumped to the disposal area. There the ash settles and the water is decanted to the circulating channel.

J. CLARK KEITH GENERATING STATION (STEAM)—WINDSOR

The Commission's second large fuel-electric generating station, named after the General Manager of the Windsor Utilities Commission, will have an installed capacity as authorized at present of 264,000 kilowatts in four units. The first was placed in operation on the occasion of the official opening by the Chairman of the Commission, Mr. Robert H. Saunders, and Mr. Keith on November 16. The second will be placed in service during 1952. The estimated cost of the four-unit station is \$48,105,000, including 13.8/115/230-kv high-voltage transformation and switching at the site.

During the year good progress was made on the building extension for the third and fourth units. Work on steel piling, concrete tunnels for circulating water, foundations, and reinforced-concrete building structure was included.



J. CLARK KEITH GENERATING STATION, WINDSOR—View from the Detroit river, December, 1951

The arrangement with H. G. Acres and Company for consulting engineering services in effect for Units No. 1 and 2 was extended for Units No. 3 and 4, and they are continuing to supervise the construction of the buildings and the installation of the equipment.

Site

The station is located on a 120-acre site on the Detroit River on the southern limits of the city of Windsor. There is an abundant supply of cooling-water, and adequate area for the storage of coal and disposal of fly ash.

Structures

The main structures are of reinforced-concrete frame with walls of brick supported on steel 12-inch H-piling driven to rock. They include a main power-station building housing the steam generators, turbine generators, and administration offices; a control building, two service buildings, a screen-house, the crusher-house, and the coal dock.

Equipment Arrangement

Following the modern unit arrangement, each unit is complete in itself. Each steam generator is connected directly to one turbine generator with condenser and unit feed-water heating system. The electric generator is solidly tied to its own transformer bank.

Steam Generators

The steam generators are of the radiant water-wall type, complete with economizers and superheaters. They will produce 650,000 pounds of steam per hour at 875 pounds psig at a temperature of 900 degrees Fahrenheit at the superheater outlet, with feed-water at 418 degrees Fahrenheit and one per cent blow-down. Each steam generator is equipped with twelve coal burners into which pulverized coal is fed from four pulverizers.

Air for combustion is supplied by two forced-draft fans through two regenerative air-preheaters. Heat of the flue-gases leaving the economizer section of the steam generator is transferred to the air. Part of the preheated air, when forced through the pulverizer, carries powdered coal to the burners.

The flue-gases, after giving up heat to the air-preheaters, are drawn by two induced-draft fans through mechanical collectors and electrostatic precipitators located on the roof. The gases are then discharged to steel stacks, lined with gunnite. The performance of this equipment guarantees the removal of over 95 per cent of the solids in the gases.

Steam Turbines

The turbines receive steam at the throttle at 850 pounds psig at a temperature of 900 degrees Fahrenheit, and exhaust at 1.5-inch mercury absolute. These turbines are two-cylinder, impulse-type. The low-pressure cylinder has two exhausts which are connected to twin condensers.



J. CLARK KEITH GENERATING STATION-Steam turbine control-board

Main Condensers

Each of the twin condensers has 13,750 square feet of cooling-surface made up of 7/8-inch OD inhibited Admiralty metal tubes, 21 feet 9 inches long, through which cooling-water is pumped from the intake tunnel under the power-house basement. The condensers are single-pass and the cooling-water discharges to the outlet tunnel which is also under the basement floor.

Cooling-Water

Cooling-water for the condensers enters the screen-house well from the Detroit River. There debris is removed by electrically-driven and automatically-washed travelling screens. The raw water is treated with a minimum amount of chlorine to prevent the formation of slime in the condenser tubes. It is discharged through tunnels under the power-house basement at a point down-stream from the intake.

Feed-Water Heating System

Steam withdrawn from the turbine at five extraction points is used for heating the condensate being returned to the steam generator. Condensate pumps draw the condensate from the hot well of the condenser and force it through two low-pressure heaters into the de-aerator. From the de-aerator the feed-pumps force the feed-water through two high-pressure heaters into the economizer section of the steam generator. Certain unavoidable losses of steam and condensate, due, for example, to blow-down, are replaced by evaporating treated-water. The vapour joins the main stream of feed-water in the de-aerator.

Electric Generators

The electric generators, direct-driven from the steam turbine through a flexible coupling, are 66,000-kw, 3-phase, 1.0 power factor, 13.8-kv machines for operation at 3,600 rpm and 60-cycle frequency. They are hydrogen-

cooled and rated at ½ pound psig, but may be operated at 15 pounds psig for overload. The generators are connected to the main transformers through an isolated phase-bus in an underground tunnel. The main and pilot exciters are driven by the generator through a gear reduction for operation at 1,145 rpm. Provision has been made for disconnecting the first two generators from their turbines for the operation of these generators as synchronous condensers when required.

Control Building

The control building is adjacent to the high-voltage switchyard and main transformers. From this point, all high-voltage switchgear is remotely controlled, and the main units are synchronized and loaded as required.

Auxiliaries

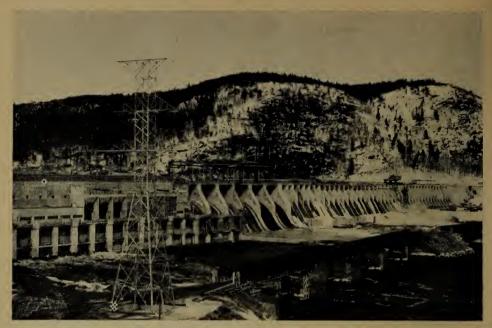
All auxiliaries are motor-driven. They can be supplied either from a unit transformer or from an outside source.

Coal Handling

At the coal dock on the Detroit River, self-unloading boats discharge into a large hopper. A belt conveyor carries the coal from the dock to a second belt conveyor which, by means of a swinging boom, deposits the coal on the ground in a crescent-shaped pile. From here bulldozers and carry-alls move the coal either to storage or to a reclaiming hopper. From the reclaiming hopper the coal is carried by another belt conveyor to the crusher-house



J. CLARK KEITH GENERATING STATION—General view, including coal storage



OTTO HOLDEN GENERATING STATION-December, 1951

where it is reduced below $\frac{3}{4}$ inch in size. After passing through the crusher it is carried by a fourth belt conveyor to the coal bunkers and distributed by a travelling tripper.

Ash Disposal

Fly ash from the mechanical collectors and electrostatic precipitators is carried pneumatically to a tank. It is made into a slurry with the "hopper" and "bottom" ash, and then pumped to the disposal area, where the ash settles and the water is decanted to the river.

OTTO HOLDEN GENERATING STATION—OTTAWA RIVER

Situation —About 5 miles up-stream from Mattawa.

Dependable Peak Capacity—204,000 kilowatts in eight units, 60 cycles.

Rated Head —77 feet.

Estimated Cost —\$54,465,000, including generation, transformation,

and high-voltage switching at the site.

Construction Procedure

Satisfactory progress was made on the construction of major elements in the development. At the main dam, closure operations which began on August 9 were suspended for a three-week period during late October and early November because of high river-flow. They were resumed in mid-November though subject to periodic delays for the remainder of the year.

SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—NIAGARA RIVER

Situation

—About 1½ miles above the Town of Queenston and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.

Installed Capacity —525,000 kilowatts in seven units, 60 cycles.

In Service —Scheduled for initial service in 1954.

Estimated Cost —\$185,320,000, including generation, transformation, and high-voltage switching at the site.

At Sir Adam Beck-Niagara Generating Station No. 2 authorization was given to an increase in the installed capacity to permit the addition of a seventh unit.

The development will have its intake on the shore of the Niagara River near the Village of Chippawa. Water will be conveyed to the forebay and head-works by a tunnel about 5 miles long and an open channel about 2 miles long. The forebay is located near that of Sir Adam Beck-Niagara Generating Station No. 1. From the head-works seven penstocks will lead to the power-house on the river-bank a few hundred feet up-stream from Sir Adam Beck-Niagara Generating Station No. 1.

Work commenced late in 1950 on the construction of access roads and camp buildings. A major project is the access road leading from a point near the Niagara Glen down into the gorge to the power-house site. Area surveys were proceeding during 1951 as plans for the tunnel were developed. At the same time the strata through which the tunnel and canal will pass were explored by diamond drilling.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Penstock excavation, December, 1951



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Construction shafts to tunnel, through overburden to bed-rock

Left: Using steel piling

Right: Using concrete caisson owing to shortage of steel

During 1951 excellent progress was made by the contractors entrusted with the construction of the first of two pressure tunnels that will convey water from the intake near Chippawa to the open canal that will feed the forebay of the new generating station near Queenston. The Commission's own construction forces proceeded at full speed with the building of roads and camps and the preparatory excavation and rock-work for the canal, forebay, and power-house at the site of the generating station.

The tunnel will be constructed in five sections, and contracts for all sections have been awarded. Construction of the access shafts for the tunnels began in July. At the same time excavation for the penstocks and the power-house site was undertaken by the Commission's Construction Division. By the end of the year the sinking of two of the shafts was practically completed and work was well advanced on two others. The second stage of the development, which is now under active consideration, will involve extensions to the forebay, head-works, and power-house to accommodate twelve generating units in all. To serve these additional units a second tunnel roughly parallel with the first would be undertaken. The canal, as at present planned, will be adequate to serve both tunnels.

The Commission's Niagara River model and other models in the Hydraulic Laboratory at the University of Toronto have been used in investigations of the design of the channel, the interconnected forebays, and the tunnel as well as in studies of types of equipment to be used. This type of design investigation has effected estimated savings in construction costs of about \$5 million.

Transformer Stations and Transmission Lines

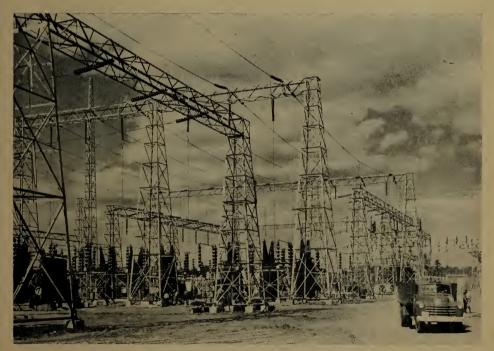
Details of the main projects constructed or under construction in 1951 follow. Brief details of other projects are to be found in Appendix IV. Also in Appendix IV are the following tables:

Changes in Transformer Capacity During the Year Total Transformer Step-Down Capacity Total Mileage of Transmission Lines and Circuits

FACILITIES TO RECEIVE POWER FROM DES JOACHIMS AND OTTO HOLDEN GENERATING STATIONS

In the 1950 Annual Report reference was made to the fact that the first 230-kv circuit from Des Joachims Generating Station to E. V. Buchanan Transformer Station was put in service in 1950. In July 1951 the second circuit between Des Joachims Generating Station and Essa Transformer Station, a line 172 miles in length, was placed in service. The second circuit from Essa Transformer Station to E. V. Buchanan Transformer Station, 122 miles in length, was completed in 1951 and is expected to be in service in January 1952. These two line sections totalling 294 miles, when added to the 866 miles placed in service in 1950, will complete 1,160 of the 1,250 circuit miles of 230-kv lines required to transmit Des Joachims and Otto Holden power to the southern Ontario area.

Essa Transformer Station, with a transformer capacity of 70,000 kva which was referred to in the 1950 Report, was placed in service as scheduled in July 1951. Work is in progress on a second 70,000-kva, 230/115-kv auto-



ESSA TRANSFORMER STATION-230-kilovolt switchyard

transformer bank which is expected to go in service early in 1952. At Minden Switching Station, work is continuing on the installation of 230-kv switching equipment.

At Petersburg, near Kitchener, a 230/115-kv transformer station is under construction. The station will have a transformer capacity of 180,000 kva and will be connected to the 230-kv line from Essa Transformer Station to E. V. Buchanan Transformer Station. It is expected that the construction will be completed early in 1953.

Construction is continuing on the 230-kv transmission line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station and the line is expected to be ready for service in January 1952. It will be operated initially at 115 kv, 60 cycles.

E. V. Buchanan Transformer Station

Work is continuing on the installation of additional 230-kv, and 115-kv line switching equipment. The 115-kv switching equipment for the St. Thomas and Kent lines was placed in service in July 1951. Installation of the third 120,000-kva, 230/115-kv, 3-phase autotransformer, formerly a spare unit, with associated switching equipment has been authorized and is expected to be placed in service in 1952.

A. W. Manby Transformer Station and Service Centre

Two 40,000-kva, 26.4-kv, 60-cycle regulating transformers were placed in service in August 1951. At this station the installation of equipment required to take delivery of Des Joachims and Otto Holden power has been completed.

Burlington Transformer Station

The two 90,000-kva, 3-phase, 60-cycle, 230/121/13.2-kv autotransformers and one 48,000-kva, 60-cycle synchronous condenser mentioned in the 1950 Report were placed in service in 1951, the autotransformers in April and the synchronous condenser in August.

FACILITIES TO RECEIVE POWER FROM CHENAUX GENERATING STATION

The second 70,000-kva, 230/115/13.2-kv autotransformer at Ross L. Dobbin Transformer Station was placed in service in March 1951.

Scarborough Frequency-Changer and Transformer Station

A third 25,000-kva, 115/26.4-kv, 60-cycle transformer was placed in service in September 1951. The installation of a fourth similar transformer is under way and it is expected to be in service in May 1952. The 115-kv line switching for the 115-kv, 60-cycle line from Ross L. Dobbin Transformer Station was placed in service in January 1951. The 115-kv feeder switching to connect the line to Toronto-Thorncliffe Transformer Station was completed and ready for service in December 1951.

FACILITIES FOR THE INCORPORATION OF RICHARD L. HEARN GENERATING STATION INTO THE SOUTHERN ONTARIO SYSTEM

One mile of 4-circuit, 115-kv steel tower line and one mile of 115-kv underground cable required to connect Richard L. Hearn Generating Station to the Southern Ontario System 115-kv network was constructed and placed in service in 1951. One of the circuits on the steel tower line was placed in service in October 1951 at 25 cycles. The second circuit, together with the underground cable, was placed in service in November 1951 at 60 cycles.

FACILITIES ASSOCIATED WITH THE INCORPORATION OF SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2 INTO THE SOUTHERN ONTARIO SYSTEM

During 1952 certain facilities will be installed to meet the increasing demand for advance 60-cycle supply in the Niagara Region, a demand which will exceed the capability of the present 115-kv, single-circuit supply from Burlington Transformer Station. These facilities will integrate completely with the incorporation of Sir Adam Beck-Niagara Generating Station No. 2 into the Southern Ontario System in 1954. They will deliver 230-kv, 60-cycle power from Burlington Transformer Station to a 60-cycle transformer station at Allanburg for distribution into the expanding 115-kv, 60-cycle network of the Niagara Region.

New construction, already authorized, embraces 43 miles of 230-kv, double-circuit transmission line from Horning Mountain Junction, immediately south of Dundas Transformer Station, to Allanburg Transformer Station, and two 120,000-kva, 230/115-kv autotransformers with associated switching at Allanburg Transformer Station. Also related thereto is the additional switching for one 230-kv, 60-cycle line terminating at Burlington Transformer Station. The new 230-kv transmission line will connect at Horning Mountain Junction with an existing 230-kv line from Burlington Transformer Station.

Construction of additional lines and stations for the incorporation of Sir Adam Beck-Niagara Generating Station No. 2 into the Southern Ontario System will be undertaken later.

FACILITIES TO SUPPLY 60-CYCLE POWER IN ADVANCE OF SCHEDULED FREQUENCY STANDARDIZATION

In the 25-cycle area facilities are under construction to make possible the supply of new and growth loads at 60 rather than at 25 cycles in advance of frequency standardization. The necessary transmission lines have also been constructed. Details of the location and construction of these facilities are to be found in Appendix IV.

Additional Facilities to Receive Power in the Southern Ontario System

Four new 115-kv transformer stations were completed and five were under construction in 1951 in addition to those individually reported. New stations are the Seaforth, Windsor-Crawford, Owen Sound, and Toronto-John Transformer Stations. Those under construction are the Hamilton-Kenilworth, Brantford, Brockville, Belleville, and Hanover Transformer

Stations. In addition, the necessary 115-kv lines were constructed as required. Details of these stations and lines are given in Appendix IV.

Transmission Line Changes and Additions

During the year the net increase in transmission lines in the Southern Ontario System exclusive of rural lines was 392.1 miles. Rural line additions amounted to 2,656 miles.

Frequency Standardization

During the year, the Electrical Engineering Department has carried out the standardization of frequency-sensitive equipment in the Commission and municipal systems, together with the provision of the necessary 60-cycle power supply to meet the frequency standardization schedule in the Woodbridge, Etobicoke Township, Sarnia, St. Marys, Seaforth, and Strathroy districts and in the City of London.

NORTHERN ONTARIO PROPERTIES

Surveys were made at a number of potential power sites in northern Ontario, particularly on the Abitibi River below the Canyon development. Topographic and geological surveys were made at four sites on this river, at Otter, Sextant, Coral, and Nine Mile Rapids. Foundation exploration by diamond drilling was undertaken at Otter Rapids and lower Coral Rapids. The heads at these various sites vary from 55 to 78 feet. Preliminary surveys were made also at sites on the Mattagami River.

Farther west a survey party collected data at the Boundary Falls site on the Winnipeg River, and further study was given to Manitou Falls on the English River.

Voltage Change in Sudbury District

A considerable number of lines and stations supplying 22-kv power are being changed to 44 kv. This affects 10 stations and 30 miles of lines. It involves the construction of 17 miles of line; the change-over of 20 miles of line from 25-cycle, 26.4-kv operation to 60-cycle, 44-kv operation; and requires the replacement at R. H. Martindale Transformer Station of the existing two 8,000-kva, 3-phase, 115/22-kv units, by transformers of a larger capacity.

The work will be completed in 1952.

Dryden-Moose Lake Interconnection

The 115-kv transmission line between Moose Lake and Dryden, referred to in the 1950 Report, was completed and placed in service in April 1951. At Dryden Transformer Station the first of two 8,000-kva transformer

PLANNING 91

banks was placed in service at the same time. The second bank is scheduled for service in the spring of 1952.

This establishes the connection between the Thunder Bay System and the Patricia District of the Northern Ontario Properties.

Kapuskasing Transformer Station

An 8,000-kva, 60-cycle transformer station was completed at Kapuskasing, and 40 miles of 115-kv transmission line linking this station to Smooth Rock Falls Transformer Station were placed in service in 1951.

Transmission Lines

The net increase in transmission line mileage during the year amounted to 175.27 miles exclusive of rural lines. Rural line construction amounted to 754 miles.

PLANNING

In system and program planning, provision was made for the lines and stations needed to incorporate the following into the Southern Ontario System: Sir Adam Beck-Niagara Generating Station No. 2; Richard L. Hearn Generating Station, Units 3 and 4; and J. Clark Keith Generating Station, Units 3 and 4. Study was undertaken of the 230-kv transmission facilities that will be required when the St. Lawrence power is developed.

The planning of lower voltage transmission and distribution lines and stations kept pace with the steady growth of load in all regions. For example, extensive changes and additions were planned in supply facilities in the Sarnia area because of load growth in the chemical industry. The decision reached late in 1950 to make 60-cycle power available to major centres in advance of complete standardization created numerous planning problems during 1951.

The Commission's frequency standardization program involves careful timing of the conversion of generating stations now operating at 25 cycles. Future demands at both 25 and 60 cycles must be estimated, constantly checked and revised, and used as the main basis for the schedule of generator conversion. In no other way can the most efficient use of hydraulic resources be assured.

The Commission continued its studies of potential sources of hydroelectric power and of water-storage possibilities. The cost of producing electric energy in the Commission's new large-scale fuel-electric generating stations now provides a basis for comparison in considering the cost of further hydro-electric development.

SECTION VI

RESEARCH AND TESTING ACTIVITIES

THE general expansion during 1951 of the Commission's plant and associated facilities was accompanied by corresponding progress in its research and testing activities. In addition to routine electrical, mechanical, and chemical testing, consulting services were provided on special technical problems, and approved engineering research programs connected with construction, operation, and maintenance of the Commission's Systems were followed.

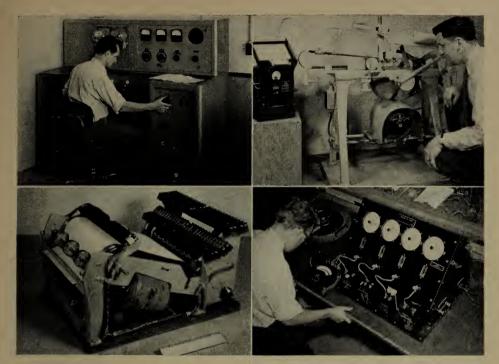
Detailed results of the research investigations conducted cannot be given here nor can mention be made of very many of them. Those briefly discussed represent new developments or significant advances in long-term projects and they suggest the general character and scope of the year's work.

Studies in Lighting and Other Uses of Electricity

The Commission co-operated with the Ontario Agricultural College in studying new applications of electric power on farms. Experiments have proved that it is practical to use a low-voltage wire-mesh system to heat soil in greenhouses. The use of this system as an alternative to heat-producing manure in outdoor frames is being studied. In experimental mow-curing of hay, data were obtained on forced-air movement, moisture pick-up, fan characteristics, and electric power consumption. An illumination panel containing both fluorescent and incandescent lamps was designed and constructed so that plant growth entirely under artificial light might be studied.

A check was made of possible fire hazards involved when infra-red heat-lamps are used to provide heat for chicks and young farm animals. Tests were made to determine the necessary electric loading for soil-heating cable used along with thermal insulation to keep water-pipes from freezing.

Where fluorescent lamps have been used for street lighting in Europe and the United States, a considerable reduction in light output at low temperatures and starting difficulties at temperatures below zero Fahrenheit have been experienced. The Commission is, therefore, making tests to determine the adequacy of such street lighting in Ontario.



Top left: A test-board designed to provide precise data on watt-hour meter performance under closely controlled conditions

Top right: Performance testing in the structural research laboratory

Bottom left: Portable sequence recorder for field use. By the use of fine-wire styli
on electro-sensitive paper it enables automatic recording of the sequence and
duration of up to 48 separate relays during large-scale tests on the power system.

Bottom right: Comparative testing of service-entrance circuit-breakers

Electric Metering and Communications

Some extension of laboratory facilities was necessary for work on problems pertaining to the selection, application, maintenance, and improvement of power-metering equipment. The economic importance of single-phase watt-hour meters has prompted critical comparative testing of the various makes. Factors being investigated include legibility of indicating dials, accuracy at light loads, effect of sustained maximum design load, and ability of retarding magnets to resist demagnetization.

Interference with television reception, which may be created by power lines, was studied in detail to determine causes and devise remedies to be applied when broadcasts begin in Ontario.

Improvement of Grounding Methods and Equipment

The grounding of customers' services to metal water-pipes, which are supplied from water-mains made of insulating material, was investigated and proved to be satisfactory without the use of additional ground rods in most instances. Grounding practices at privately-owned high-voltage substations were examined and a specification was prepared for quick guidance in maintaining a minimum grounding standard at these installations. An electrolytic gel treatment for ground rods, developed in Sweden and designed

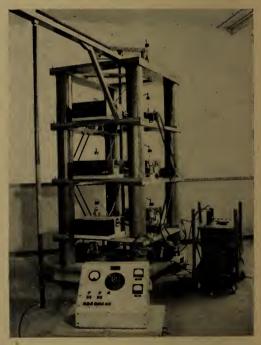
to reduce the electrical resistance, is being tested for Commission use; it involves the injection of chemicals into the ground through perforated hollow rods to form a conducting gel with a low solubility in water.

Difficulties in finding adequate grounding occur where there are outcroppings and extensive subsurface rock. In such an area in eastern Ontario measurements showed that adequate grounding could be obtained by means of a heavy neutral conductor connected to improved grounds elsewhere on the system.

Investigations for Safety

Constant effort is made through laboratory projects to maintain safe working conditions throughout the Commission. When tests showed that electric blasting-caps could be detonated by radio-frequency current from radio transmitters the hazard was evaluated and recommendations were made for the protection of personnel. A study was made of the operation of power-driven earth augers in hard ground. The hardness of the ground may cause the auger to bounce and make contact with live overhead circuits. A model of a distribution system was built to instruct operating personnel in the dangers of transformer backfeed when repairs are being made on primary lines. For educational purposes a demonstrator was designed to make possible the application of electric shock to human beings under safe, controlled conditions.





Left: Assembling an automatic recording oscillograph at the laboratory, for installation at one of the Commission's power stations

Right: Overvoltage testing. Set capable of developing 260,000 volts direct current, particularly for testing 115,000-volt cables after installation

Operational Testing of Major Power Equipment

A prerequisite for large-scale performance tests of the Commission's major electric power equipment was the design and construction of various items of special test apparatus. These included the following: a sequence recorder to establish the sequence and duration of operation of a large number of relay contacts by the use of a moving strip of electro-sensitive paper; hot-wire anemometers to record wind velocity which affects the duration of electric power arcs; cameras with continuously moving film to record the behaviour of arcs; a shaft-position indicator to measure instantaneously the amount of departure from sychronism of machines at the two ends of a line under test; and an oscillogram scaler to facilitate the analysis of records obtained.

Testing of Electrical Apparatus Insulation

Significant advances were made in perfecting methods of testing the condition of generator insulation. The importance of this work increases as insulation of the Commission's older generators approaches the end of its estimated service life. It now appears possible to test major insulation so as to determine non-destructively its mechanical flexibility and the breakdown strength of its weakest spot. Thus the probable remaining life of the insulation can be estimated and the feasibility of repair assessed. It also seems possible to disclose the presence in top coil-sides of dangerous voids that can lead to accelerated deterioration and faults between strands or turns.

In 1951 the installation of three 115-kv underground power cables hastened the need for a d-c set for acceptance testing of the electrical insulation at voltages up to 260 kv. Accordingly, a portable set was built and used successfully. This is believed to be the first time in Canada that such tests have been performed after installation.

Distribution System Equipment and Disturbances

Commercially available service-entrance circuit-breakers were tested for such features as impact resistance, surge strength, relatching time, and calibration. Other tests involved numerous heat runs on distribution transformers to determine their overload capacities and thus to establish desirable tripping characteristics for associated breakers. This comparative testing enables better selection of distribution equipment to provide a high quality of service.

Equipment was designed and built to facilitate destructive testing of distribution fuse links in large numbers. Data accumulated by these tests will be used to establish a statistical sampling program.

Joints and Connections in Electric Conductors

A second bolometer for detecting overheated transmission-line joints was constructed, featuring higher accuracy and greatly reduced weight. It was used to examine several 115-kv circuits. A sample check of 100 joints in a 230-kv line indicated that a bolometer survey would be useful.



TESTING CONCRETE

Field laboratory for control of concrete quality at Sir Adam Beck-Niagara Generating

Station No. 2

Long-term outdoor corrosion tests were begun using specimens consisting of plates and lugs of dissimilar conductor metals mounted in stacks. More than 8,000 specimens are required to provide adequate statistical data. Electrical contact resistances will be measured periodically to determine the significance of different pressures, contact surfaces, and cleaning procedures. Commercially available compression joints for several of the smaller sizes of copper and aluminum conductors were evaluated and found to be generally satisfactory for Commission use.

Concrete Materials

Concrete control activities have shifted from the Pine Portage, Des Joachims, and Chenaux developments to the Otto Holden, J. Clark Keith, Richard L. Hearn, and Sir Adam Beck-Niagara No. 2 Generating Stations. Field laboratories were established at these new locations to enable the control staff to test the concrete and its ingredients during construction operations, and to assist research projects on proportions of special mixes and the thermal behaviour of mass concrete.

At Sir Adam Beck-Niagara Generating Station No. 2 the early removal of steel forms from concrete will be necessary. This has posed the problem of designing a concrete mix suitable for lining the 50-foot tunnel and having the power of rapidly developing strength. The soniscope was used to measure pulse velocities and hence strengths of various mixes, even in the plastic state.

The present shortage of steel has focussed attention on the use of prestressed concrete beams as supporting structural members. This technique is more advanced in Europe than elsewhere. The Commission has recently developed a built-up roof-beam of 8-inch, concrete blocks in which grouted cables of high-tensile steel provide the pre-stressing.

Test work was concluded on the fly-ash concrete placed experimentally in a section of the Otto Holden Dam during its construction. It proved to have higher ultimate strength and less heat generation than regular concrete and thus confirmed laboratory findings.

Studies were continued of the properties of concrete which influence its durability in service, including measurement of air content and the thermal expansion of aggregates. Temperature records of certain mass concrete structures are being compiled and correlated with findings from tests with the soniscope and on core specimens.

Measurements are made periodically on the Commission's large structures, such as power-houses and dams, to reveal any dimensional changes which may be occurring. Special instrumentation is used to obtain data on autogenous growth of concrete, creep strain, and foundation movements, to enable their effects to be minimized. Since cement is the most costly ingredient of concrete, means of reducing the cement content and of improving hydration efficiency were studied continually. Trends in the manufacture of regular Portland cement and in the use of blast-furnace slag for its partial replacement were followed closely.

Metallurgical Investigations

Welding studies were continued to determine the materials and practices best suited for welding jobs arising in the Commission's operations and to supply information for the guidance of the field forces. A report was prepared on the physical properties and weldability of the standard grades of low-carbon steels used for structural and pressure-vessel work.

Soil Mechanics

Many soil mechanics investigations have been undertaken to handle a wide variety of foundation and road building problems and to develop new support techniques and testing methods. A typical project at a transformer station site involved a soft compressible soil that underlay a hard surface crust; numerous compression and consolidation tests revealed that the structures should be supported on many small footings founded in the hard surface.

A laboratory study was made of a mixture using fly-ash and lime to form a relatively weak but inexpensive cement for increasing the stability of secondary roads. The permanence of this treatment will be tested in the field. An investigation of frost heaving of small footings was begun using models experimentally treated and installed in frost-susceptible soil.

Vibration Problems

In the continuing study of means of preventing line-conductor vibration, fifty experimental torsional dampers having conducting-rubber washers were placed in service; their performance will be checked periodically. New equipment devised for the study of transmission-line galloping included indicators of torsional and transverse movement, a high-performance anemometer, a wind-direction indicator, and a photographic target which an observer on the ground can project over and clamp to a conductor when galloping occurs.



CHEMICAL RESEARCH
A section of the laboratory dealing mainly with problems related to fuel-electric generation

Stress Measurement and Analysis

The number and spacing of the reinforcing bars around the inspection galleries in the main dam at Otto Holden Generating Station were varied for experimental purposes. Resistance-wire strain gauges were also installed and stress measurements will be made to obtain data for comparison with theoretical calculations. A more accurate knowledge of the stresses occurring in large gravity dams will assist the design engineers.

Concrete panels for measuring forebay ice pressure have been installed in the face of the dams at Des Joachims, Pine Portage, and Otto Holden Generating Stations. Instrumentation will record ice thrust; temperatures of air, snow, and ice; thickness of snow and ice; velocity and direction of wind; and incident radiation.

Wood Preservation

In efforts to devise means of controlling the bleeding of pressure-treated pine poles, a field test-plot was established in 1950 containing 120 wood poles which had been subjected to various preservative treatments. Subsequent examination indicates that creosote will bleed less than a mixture of pentachlorophenol and fuel oil, and that an initial air pressure lower than that formerly used during the treating period will greatly reduce bleeding.

Laboratory tests of copper borate for wood preservation have shown that it is clean, dry, non-bleeding, fire-resistant, non-leachable, unaffected by sunlight, and easily painted. It does not affect the strength and hardness of the wood. A full-scale plant treatment of 5,000 poles is being undertaken.

The adoption of copper pentachlorophenate throughout Canada as a standard reference wood preservative has necessitated further laboratory testing. The Commission's laboratories are co-operating with those of the Forestry Branch of the Federal Department of Resources and Development on this project.

Insulating Oils and Lubricants

During the past two years, thousands of samples (representing over ten million gallons) of electrical insulating oil from major power equipment have been laboratory-tested as part of a system-wide survey which will be periodically repeated. The data obtained are being compiled in service histories which help to determine causes of accelerated deterioration and to establish adequate, economical maintenance schedules and reclamation procedures.

Protective Coatings and Thermal Insulation

Before selection for use by the Commission, new materials and the constantly changing formulae for protective coatings have been critically examined. Some typical investigations involved water-emulsion waxes and anti-slip agents; automotive underbody coatings; wall paints for sealing, priming, and finishing; roofing pitches and felts; and a suitable coating to facilitate the periodic cleaning of porcelain insulators exposed to cement dust.



RESEARCH IN APPLIED MECHANICS

Typical problems involve ice pressure on dams, dimensional stability, and the measurement of stresses and loads in structures.

Basic studies and tests of thermal insulation were made to determine requirements for Commission buildings, to compare the merits of commercial products, and to develop suitable application techniques. In an effort to combat condensation on cold surfaces, studies were made of anti-sweat pipe coatings, the moisture absorption of sprayed asbestos, the vapour-barrier properties of different building papers, and, in co-operation with National Research Council of Canada, the methods of measuring vapour permeability.

Brush and Insect Control

Extensive use has been made of chemical herbicides to control brush along Hydro rights-of-way throughout the Province. Experimental work on both foliage spraying and basal-bark treatment of resistant woody plant growth during the dormant season was continued in test-plots. Aircraft application of oil-herbicide solutions appears to be practical.

The program of black-fly control in northern areas of the Province was continued. As the result of study, procedures were recommended for controlling mosquitoes, ants in cafeterias, and cockroaches in quarters containing equipment sensitive to commonly-used chemical insecticides.

Instrumental Methods

Spectrophotometric analysis techniques are finding wider use in the Commission's research work for such determinations as phosphates and silica in boiler water, copper in wood preservatives, molybdenum in steel, and oxidation products in insulating oil.

The success of the Commission's linascope method of fault location on power transmission and communication circuits has led to the present use of about twenty of the portable units on open-wire lines; its pulse-echo technique was also applied in the detection of faults on underground cables.

Corrosion

The Commission's province-wide operations frequently necessitate the use of water containing significant amounts of hardness salts and corrosive materials. Measures to minimize scale deposition, corrosion, and algae growth in transformer cooling-systems, steam condensers, and boilers, can reduce maintenance costs and the number of outages. To devise such measures, the materials, methods, and equipment used in the industrial treatment of water were tested and evaluated.

Continued effort is being made to improve the corrosion-resistance of domestic water-heater tanks. Samples of water from about seventy Ontario municipalities were analysed to determine their corrosiveness.

Miscellaneous Research and Testing

Research and testing activities pertaining to power transmission problems have increased, mainly because of the modern trend toward more complex interconnection of power networks, larger blocks of power, and higher transmission voltages. Typical studies under way involve the permissible loading of open-air conductors, the economics of extra-high-voltage transmission, and the comparison of different types of line breakers.

Records of lightning strokes at three large transformer stations for the years 1946 to 1951 were analysed to determine the effectiveness of protection at present maintained. A map of Ontario, prepared from observations made at more than 200 meteorological stations during the period 1938 to 1949, provides more accurate and detailed information on thunderstorm activity in Ontario than was previously available.

The Commission's frequency standardization program has created a variety of research problems. Oil-burner components such as thermostats, primary controls, ignition transformers, and capacitors, were tested to determine the adequacy of conversion procedures and of quality control by manufacturers. Temperature-rise and torque tests were carried out on different types of fractional horsepower motors, some new and some rewound for 60-cycle service.

SECTION VII

PERSONNEL ADMINISTRATION

THE total number of Commission employees at December 31, 1951 was 20,079, approximately the same as in 1950. The number of regular employees, however, was increased by 1,153 to a record total of 11,258. The principal contractors and consultants engaged directly on Commission projects reported 5,855 employees at the same date.

For the most part the Commission's requirements were adequately met throughout the year. A shortage of experienced engineers and of certain classes of skilled tradesmen did cause some difficulty, especially in obtaining staff for the new large fuel-electric generating stations. The reduction in Commission staff that would normally follow the completion of several major projects was offset by the increase in staff at Sir Adam Beck-Niagara Generating Station No. 2.

Collective Bargaining

Excellent relations between the Commission and its employees prevailed during collective bargaining negotiations throughout the year. Activity in this field was increased as international craft unions sought certification by the Ontario Labour Relations Board as bargaining agents of the Commission's construction employees. In all, fifteen agreements were negotiated or revised, including the agreements with the Employees' Association and with the Federation of Employee-Professional Engineers and Assistants.

During the period under review, a collective agreement was signed with the Niagara Development Allied Council A.F. of L. Seventeen international A.F. of L. craft unions, covering all trades on the Niagara project, were thus brought together under a single agreement for the duration of the project.

Training

Employees' interest in the Commission's training program continued high during 1951. Registrations for correspondence courses were numerous,

classes at the Training Centre were full, and on-the-job training was continuous. More than 300 employees, mostly linemen and foresters, received instruction at the Training Centre.

Instruction in first aid was continued under an accelerated schedule and at the end of 1951 over 3,400 field employees had received elementary training representing over 19,000 hours of instruction. A new booklet, *Essentials of First Aid*, was published and distributed.

Medical

The Commission's medical services were extended during the year. At Head Office the chief medical officer now has a nursing staff, and two doctors on a part-time basis associated with him. Full-time nurses are also stationed at Abitibi Canyon, and in Toronto at Strachan Avenue, A. W. Manby Service Centre, and Richard L. Hearn Generating Station. A modern 30-bed hospital was opened in July to provide medical care for construction workers and other staff at Sir Adam Beck-Niagara Generating Station No. 2. In addition to the doctor in charge and his nursing staff, there are five first-aid men on 24-hour shift duty in the hospital, and others at first-aid posts elsewhere on the project. An ambulance is available at all times. On one special drive, some 300 employees gave blood to the Red Cross Blood Bank which undertakes to supply blood freely as required in the Commission's hospital.



The hospital at Sir Adam Beck-Niagara Generating Station No. 2

Safety

Safety officers were appointed in all regions during 1951 to provide trained leadership in the establishment of safe work practices. While these officers form part of the regional offices staff, they receive effective assistance and co-operation from the Safety Department at Head Office.

During the year eleven members of the Commission's staff were awarded the Canadian Electrical Association Medal for meritorious conduct in the application of artificial respiration. Of the four incidents recognized, three involved fellow workmen and the fourth a twelve-year-old boy.

One of the members of the Georgian Bay Region staff was awarded the President's Medal of the National Safety Council for his rescue of a seven-year-old girl from drowning.

SECTION VIII

MUNICIPAL ELECTRICAL ACCOUNTS

Accounts and Statistical Data of the Municipal Electrical Utilities

Operated by Municipalities and Served by The

Hydro-Electric Power Commission of Ontario

In this section of the Report are presented individually and in summary the results of the operations of the local electrical utilities in municipalities owning their own distribution systems and operating with energy supplied by or through the Commission.

The financial statements given are prepared from the books of these utilities and show the effect of operations during the past year, and financial status at December 31, 1951. Other tables give useful statistical information on average costs for various classes of service and the rates in force for each class.

The books of accounts on which the statements are based are kept in accordance with an accounting system designed by the Commission and accepted as a standard for electrical utilities in all municipalities that have contracted with the Commission for a supply of power. During 1951 this system was installed in the municipalities of Cache Bay, Magnetawan, and Sturgeon Falls.

These books of accounts are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods employed. In many of the smaller municipalities much of the book-keeping for the electrical utilities is undertaken by representatives of the municipal accounting department of the Commission. Supervision of this kind ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures. The actual operating results for each year are thus accurately reflected, and are easily compared with those of other years.

Assets and Liabilities

The consolidated balance sheets of the utilities for the years 1944-1951 are presented in the section first. Corresponding figures for the years 1913 to 1943 were published in the Report for 1943. This consolidation combines figures as they are classified on the balance sheets of all municipal electrical utilities receiving power under contracts with the Commission. The total plant value of these utilities has increased from \$10,081,469.16 in 1913 to \$173,732,456.91 in 1951, and the total assets from \$11,907,826.86 to \$329,051,073.78.

Net liabilities which amounted to 88 per cent of assets in 1913 fell to a low of 5.4 per cent in 1947 as the result of regular debt retirement either through serial debenture provisions or by maturing sinking funds. Much of the capital cost of adding to equipment during these years was financed out of reserves and surplus of the individual utilities without increasing their capital debt. In this way the funds of the systems have been used to best advantage.

Ratio of Net Debt to Assets

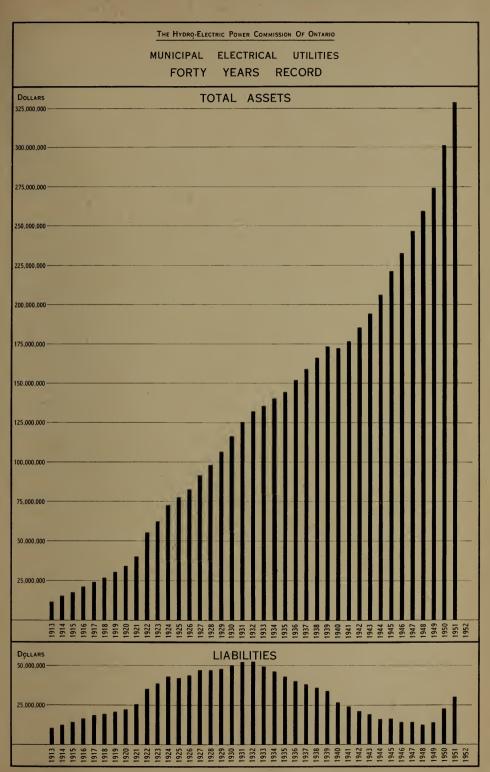
Owing to the recent acceleration in industrial growth and a greatly increased demand for power, many municipalities have been required to undertake major extensions and improvements of their distribution systems. At prevailing costs for material and labour, normal depreciation allowances and surplus have proved insufficient to provide for undertakings of these proportions. It has, therefore, been necessary for these municipalities to acquire new capital funds through the issue of debentures. This has had the effect, during the last four years, of reversing the trend downwards of the ratio of net debt to assets In 1951 a net increase of \$4,820,387.01 in the debenture balance outstanding, corresponding with an increase in total plant value of \$17,574,393.16, makes the net debt at December 31 equal to 14.1 per cent of the assets.

In calculating the percentage of this relationship, only the local assets of the municipal utility itself have been considered. The accumulated equity in the Commission's systems has not been taken into account.

Net Operating Surplus

The consolidated operating reports combine figures from the operating reports of all municipal electrical utilities receiving power under contracts for the years 1944 to 1951. The combined operating reports for 1951 show a net surplus of \$8,667,340.07 after provision was made for cost of operation, and fixed charges that include a standard allowance for depreciation.

Four statements "A" to "D" follow in order. Statements "A" and "B" present for each municipal utility the balance sheet and operating report from which the consolidated reports have been compiled. The municipalities are arranged alphabetically under each system. Statement "C", dealing with rates, gives information regarding cost of power to the municipality and rates to local customers. In this statement municipalities are arranged alphabetically throughout. Statement "D" gives information on numbers of customers,



revenue, and consumption. Municipalities are classified according to population and are arranged alphabetically in four classes: (1) cities having a population over 10,000, (2) large suburban areas, (3) towns with populations over 2,000, and (4) smaller communities. Population figures are based on the municipal directory for 1951 published by the Department of Municipal Affairs of Ontario.

Analysis of Statements

Statement "A" shows plant values under the general headings specified in the standard accounting system. Other assets shown are self-explanatory. As in the consolidated balance figures the asset designated as Equity in H-E.P.C. systems is shown in contra under Reserves, and the Sinking Fund on local debentures under Surplus.

Municipal electrical utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. In conformity with the Commission's policy of service at cost, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal services it has been returned in the form of cash or credit to the municipality. The municipality is, on the other hand, required to liquidate any deficit that may accrue.

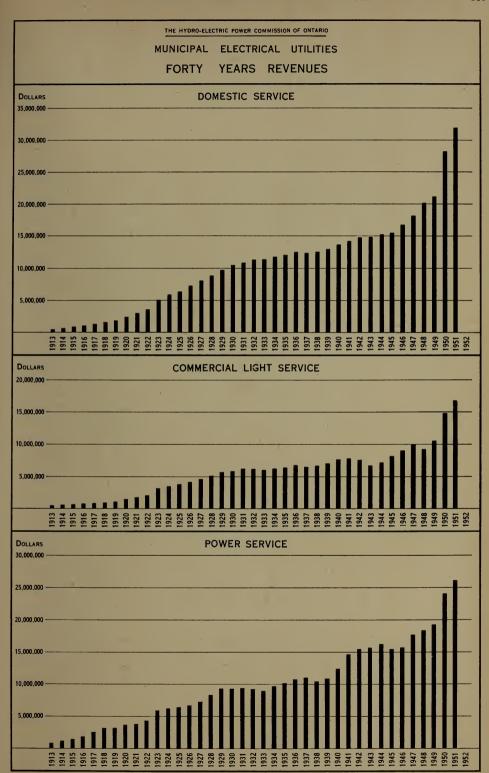
Reserves include allowances for depreciation, and also the accumulated equity in the Commission's systems that has been acquired by the member municipalities. Surplus includes both operating surplus and that part of surplus that has been used either to retire debenture debt or to provide for the retirement of debenture debt through accumulated sinking fund.

Depreciation reserves now amount to 28.6 per cent of the total depreciable plant. The depreciation reserves and surplus combined amount to \$174,912,675.50, which is equal to 100.7 per cent of the total plant cost. In 74 per cent of the utilities, liquid assets and inventories exceed total liabilities so that these utilities may be considered as free of debt.

Statement "B" shows for each reporting utility the annual revenue from the various classes of customer, an itemized expense account, and the allowances set aside for depreciation and other purposes. The number of customers served in each of three classes is also shown. The item "power purchased" in this statement makes allowance for the annual adjustment made by the Commission. This adjustment is based on the difference between the interim rate and the actual cost of power supplied to the municipalities.

Of the 324 municipal electrical utilities included in the statement, 320 received from customers revenue sufficient to meet in full all operating expenses, interest and debt retirement instalments, and standard depreciation. The aggregate net surplus after all these allowances was \$8,669,811.69. Four electrical utilities were able to defray out of revenue all such charges except a portion of the standard depreciation allocation totalling \$2,471.62.

Statement "C" gives the cost per kilowatt of the power provided for and delivered to the municipalities by the Commission. It also shows the local rates to customers in the various municipalities during 1951 for domestic, commercial light, and power service.



Statement "D" gives for each municipality the revenue, energy consumption, number of customers, average monthly bill, and average cost per kilowatt-hour both for domestic and commercial light service. For power service there are given the revenue, number of customers, and average of the monthly loads billed by the municipal utility. These figures do not include those for wholesale industrial power which is supplied by the Commission direct.

Municipal Electrical Utilities

The following summarizes the year's operation of the local electrical utilities conducted by municipalities owning their own distribution systems and operating with energy supplied by or through the Commission. These include not only electrical utilities of the cost contract municipalities of the Southern Ontario and Thunder Bay Systems, but also those of certain municipalities served through the Northern Ontario Properties.

The total revenue collected by the municipal electrical utilities in 1951 was \$82,311,680.92, as compared with \$73,523,531.58 for 1950, an increase of \$8,788,149.34 or 11.9 per cent.

The items of expenditure of the municipal electrical utilities included \$50,854,323.41 for power supplied for the most part by the Commission, \$16,460,364.97 for system operation, maintenance, and administration and \$675,630.04 for interest, \$849,300.82 for sinking fund and principal payments on debentures, and \$4,804,721.61 for depreciation and other reserves. Total expenses and reserve appropriations were \$73,644,340.85, an increase of \$5,613,407.13 or 8.2 per cent over 1950. The total net surplus for the year's operations was \$8,667,340.07.

Co-operative Systems

With regard to the local electrical utilities operating under cost contracts, the following statements summarize for each of the co-operative systems administered by the Commission the financial status and the year's operations as given in detail in this section and in Section II.

SOUTHERN ONTARIO SYSTEM

The total plant assets of the Southern Ontario System utilities amount to \$165,847,531.47. The total assets aggregate \$312,265,637.59. The reserves and surplus accumulated in connection with the local utilities amount to \$172,608,641.57, an increase of \$9,812,168.90 during the year 1951. The percentage of net debt to total assets is 13.9, an increase of 2.4 per cent, which has been chiefly due to the post-war rehabilitation program.

The total revenue of the municipal electrical utilities served by this system was \$78,341,163.26, an increase of \$8,336,058.90 or 11.9 per cent, as compared with the previous year.

After meeting all expenses in respect of operation—including interest, depreciation, and other reserves—and providing for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electrical utilities served by the Southern Ontario System amounted to \$8,324,420.97 as compared with a net surplus of \$5,220,079.29 for the previous year.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay System utilities amount to \$4,837,817.28. The total assets aggregate \$13,379,829.88. The reserves and surplus accumulated in connection with the local utilities amount to \$5,246,-299.24, an increase of \$389,944.99 during the year 1951. The percentage of net debt to total assets is 14.9, a decrease of 1.3 per cent.

The total revenue of the municipal electrical utilities served by this system was \$2,416,297.47, an increase of \$167,638.93 or 7.4 per cent, as compared with the previous year. After meeting all expenses in respect of operation—including interest, depreciation, and other reserves—and providing for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electrical utilities served by the Thunder Bay System amounted to \$234.192.28 as compared with a net surplus of \$191,998.80 for the previous year.

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CONSOLIDATED

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Year	1944	1945	1946
Number of municipalities included	298	304	304
Assets Lands and buildings. Substation equipment. Distribution system—overhead. Distribution system—underground. Line transformers. Meters. Street lighting equipment—regular. Street lighting equipment, ornamental Miscellaneous construction expenses. Steam or hydraulic plant. Old plant.	\$ 11,713,108.74 25,805,344.10 26,075,416.77 6,385,742.19 12,698,080.21 11,339,479.64 2,926,365.70 1,542,819.42 3,414,557.25 368,022.38 820,607.24	\$ 11,879,469.56 26,201,620.92 26,835,864.78 6,539,797.63 13,360,997.73 11,742,720.68 3,066,246.06 1,551,628.63 3,469,256.69. 1,005,980.83 692,517.55	\$ 11,830,325,45 26,778,943,63 27,810,938,64 6,848,694,50 14,247,872,95 12,325,105,86 3,268,433,46 1,555,698,39 3,802,802,98 1,080,730,83 658,421,95
Total plant	103,089,543.64	106,346,101.06	110,207,968.64
Bank and cash balance. Securities and investments. Accounts receivable. Inventories. Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets Frequency standardization expenditures in superpress	1,947,073.36 21,245,620.67 3,710,514.76 1,622,866.57 4,880,499.77 69,486,548.01 192,661.46	1,744,827.39 27,530,379.33 3,682,108.35 1,735,925.21 4,952,718.62 75,002,351.38 290,022.85	3,584,075.84 27,152,189.81 4,133,184.23 2,193,231.80 4,609,214.16 80,670,336.85 326,083.52
ture in suspense			
Total assets	206,175,328.24	221,284,434.19	232,876,284.85
LIABILITIES Debenture balance. Accounts payable. Bank overdraft. Other liabilities.	11,612,359.10 1,701,420.70 174,491.81 2,584,979.26	10,612,595.02 2,528,081.42 429,585.64 2,707,515.21	9,049,583.60 2,267,268.71 355,417.71 2,636,251.52
Total liabilities	16,073,250.87	16,277,777.29	14,308,521.54
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves Total reserves	69,486,548.01 34,006,953.37 6,308,596.82 109,802,098.20	75,002,351.38 36,331,919.08 6,979,074.47 118,313,344.93	80,670,336.85 38,253,203.71 7,356,359.46 126,279,900.02
SURPLUS Debentures paid Local sinking fund. Operating surplus Net frequency standardization expense charged this year	45,475,788.84 4,880,499.77 29,943,690.56	47,340,018.06 4,952,718.62 34,400,575.29	48,935,858.04 4,609,214.16 38,742,791.09
Total surplus	80,299,979.17	86,693,311.97	92,287,863.29
Total liabilities, reserves and surplus	206,175,328.24	221,284,434.19	232,876,284.85
Percentage of net debt to total assets, less equity in H-E.P.C. system	7.4	7.0	5.6

BALANCE SHEETS

				i.
1947	1948	1949	1950	1951
304	308	315	321	324
\$ 12,220,747,92 28,430,102,81 29,230,801,09 7,400,874,88 15,698,549,76 13,112,187,77 3,827,634,40 1,536,957,94 4,242,837,80 1,080,976,81 587,479,45	\$ 12,981,533.464 29,626,621.36 31,541,077.08 8,040,205.01 17,593,431.84 13,948,013.24 4,486,158.98 1,558,798.17 4,290,247.58 1,457,291.81 573,313.04	\$ 13,759,701.81 32,405,939.81 34,325,936.81 8,663,874.53 19,267,220.87 15,050,359.45 4,847,993.56 1,564,378.72 4,608,566.91 1,478,544.77 773,261.68	\$ 16,659,377.57 36,684,736.84 39,435,443.26 9,880,526.08 22,639,038.94 16,857,378.24 5,271,825.19 5,234,089.19 3,322,767.89 162,880.55	\$ 18,575,200,20 41,489,688,84 43,521,167,44 10,554,818,60 25,596,437,39 18,239,365,71 5,927,660,80 5,961,347,63 3,313,781,93 542,988,37
117,369,150.63	126,096,691.57	136,745,778.92	156,148,063.75	173,722,456.91
2,759,333.88 27,721,988.41 4,381,276.48 3,140,379.57 4,387,586.13 86,574,096.81 543,728.14	3,480,104.26 26,691,542.33 3,987,098.82 3,814,953.93 1,795,295.61 92,889,067.86 541,982.60	2,654,186.08 24,109,961.67 4,878,682.68 4,229,137.22 569,497.99 100,051,662.98 1,089,348.62	2,807,734.27 19,706,944.56 6,922,076.43 5,114,209.37 592,491.22 108,475,000.19 917,535.55	3,276,778.98 16,291,592.69 7,727,032.69 7,514,369.31 613,435.37 118,269,170.96 787,656.78
		155,744.87	767,592.91	848,580.09
246,877,540.05	259,296,736.98	274,484,001.03	301,451,648.25	329,051,073.78
7,947,290.14 3,028,306.12 613,465.91 2,642,971.05	5,297,137.36 3,813,817.24 839,973.70 2,841,344.30	4,545,744.63 5,666,357.71 943,682.84 2,984,132.94	14,069,133.05 5,906,614.43 1,470,416.79 1,489,028.47	18,889,520.06 7,653,317.92 2,085,158.47 1,612,914.06
14,232,033.22	12,792,272.60	14,139,918.12	22,935,192.74	30,240,910.51
86,574,096.81 40,146,511.52 5,788,442.87	92,889,067.86 41,962,273.09 4,545,757.39	100,051,662.98 43,893,598.38 4,673,978.72	108,475,000.19 46,310,558.56 4,314,186.14	118,269,170.96 48,087,416.88 5,628,316.81
132,509,051.20	139,397,098.34	148,619,240.08	159,099,744.89	171,984,904.65
50,208,313.28 4,387,586.13 45,540,556.22	53,457,629.91 1,795,295.61 51,854,440.52	55,525,205.90 569,497.99 55,638,367.30 8,228.36	56,534,877.64 592,491.22 62,522,124.72 232,782.96	59,434,311.73 613,435.37 67,511,314.72 733,803.20
100,136,455.63	107,107,366.04	111,724,842.83	119,416,710.62	126,825,258.62
246,877,540.05	259,296,736.98	274,484,001.03	301,451,648.25	329,051,073.78
5.4	5.8	7.0	11.6	14.1

CONSOLIDATED

YEAR	1944	1945	1946
Number of municipalities included	298	304	304
EARNINGS Domestic service. Commercial light service. Commercial power service. Municipal power Street lighting. Merchandise. Miscellaneous.	\$ 15,371,752,19 7,219,403,43 16,222,143,48 2,111,454,22 1,729,320,48 35,378,31 897,433,28	\$ 15,543,145,28 8,150,923,90 15,544,085,89 2,134,062,24 1,922,281,13 65,590,57 1,097,719,02	\$ 16,852,308.83 8,979,037.16 15,707,154.73 2,161,079.81 1,975,024.68 179,252.65 1,210,440.76
Total earnings	43,586,885.39	44,457,808.03	47,064,298.62
Power purchased. Substation operation. Substation maintenance. Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and maintenance. Promotion of business. Billing and collecting. General office, salaries and expenses. Undistributed expense. Truck operation and maintenance. Interest. Sinking fund and principal payments on debentures. Depreciation. Other reserves	1,147,646.14 145,701.29 445,437.44 513,953.14 445,945.93 156,566.54 1,264,759.35 1,139,174.46 522,204.17 104.222.84	26,633,166.70 654,305.46 423,473.57 1,243,381.36 155,240.82 470,203.18 581,603.20 487,565.20 171,063.89 1,305,542.48 1,201,915.79 640,831.75 123,720.21 710,300.94 1,255,825.57 2,736,906.64 1,216,822.19	29,131,997.88 753,931.65 444,276.75 1,404,441.08 168,429.61 528,810.47 699,773.37 493,443.23 183,606.79 1,428,246.45 1,319,972.30 831,176.06 147,458.42 525,588.16 1,239,108.29 2,824,871.68 1,503,255.70
Total operating costs and fixed charges	39,648,510.25	40,011,868.95	43,628,387.89
Net surplus	3,938,375.14	4,445,939.08	3,435,910.73
NUMBER OF CUSTOMERS Domestic service	574,469 77,376 13,792	590,723 81,118 14,339	606,046 85,400 15,115
Total	665,637	686,180	706,561

OPERATING REPORTS

1947	1948	1949	1950	1951
304	308	315	321	324
\$ 18,172,574.54 9,819,043.11 17,613,525.22 2,216,812.71 2,057,215.86 233,117.94 1,267,485.38	\$ 19,506,499.27 9,766,500.29 18,235,664.95 2,343,112.69 2,153,034.35 221,544.94 1,268,351.70	\$ 21,137,834.75 10,444,393.84 19,178,070.91 2,475,539.80 2,219,551.02 216,734.17 1,231,076.24	\$ 28,066,402.91 14,690,733.78 23,873,159.20 2,907,974.03 2,552,755.74 216,549.51 1,215,956.41	\$ 31,977,317.76 17,033,595.94 26,172,943.55 3,011,056.35 2,769,300.03 100,096.18 1,247,371.11
51,379,774.76	53,494,708.19	56,903,200.73	73,523,531.58	82,311,680.92
31,760,128.32 855,965.41 475,837.06	32,432,823.73 1,019,515.46 595,059.49	36,225,068.75 1,126,138.22 626,041.76	46,400,040.72 1,441,553.66 679,136.10	50,854,323.41 1,648,120.74 758,392.52
1,628,081.77 219,164.00 607,758.38 822,675.89	1,967,371.30 249,212.31 699,593.39 1,005,146.07	2,110,892.72 279,383.13 751,382.32 1,061,668.85	2,682,034.57 335,739.15 762,974.01 1,243,611.94	3,070,534.44 423,156.46 849,951.63 1,430,859.05
547,556.40 231,488.57 1,643,780.22 1,521,688.93 840,075.97 202,997.29 423,041.93	602,995.88 343,395.13 1,872,644.99 1,814,028.57 803,047.22 243,560.50 339,213.78	688,584.31 282,618.04 2,077,074.94 1,961,727.80 833,337.54 269,151.54 305,084.60	705,830.91 277,190.88 2,382,607.11 2,162,662.43 1,331,333.41 302,310.53 497,138.36	755,502.07 319,888.95 2,776,376.16 2,487,764.68 1,699,441.87 240,376.40 675,630.04
992,793.11	903,443.37	842,182.95	980,917.96	849,300.82
3,002,877.86	3,278,262.63	3,631,483.76	4,076,473.95	4,717,496.55
1,478,990.80	1,051,522.24	634,690.02	1,769,378.03	87,225.06
47,254,901.91	49,220,836.06	53,706,511.25	68,030,933.72	73,644,340.85
4,124,872.85	4,273,872.13	3,196,689.48	5,492,597.86	8,667,340.07
625,705 87,937	649,220 91,382	684,417 94,881	745,422 104,122	778,517 107,416
15,867 729,509	16,439 757,041	796,482	18,372 867,916	904,880
				Li .

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM						
Municipality	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston	
Population		1,000	497	2,209	2,038	
Assets Lands and buildingsSubstation equipment	\$ 1,627.38 2,318.36	\$	\$	\$ 19,740.84		
Distribution system—overhead. Distribution system—underground. Line transformers. Meters.	32,040.57 20,399.14	17,854.53 8,213.83	4,234.83	33,665.60 22,307.05 14,488.96	45,438.50 19,693.49 18,134.24	
Street light equipment, regular Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plant	4,245.87	150.60	7.65		6,165.77 1,868.20 7,846.49	
Old plant	120,317.93				99,146.69	
Bank and cash balance	539.58 7,000.00 641.67 1,484.64	2,328.06 2,500.00 1,659.77	89.91 2,500.00	2,028.90 33,000.00	4,589.18 22,000.00 1,221.80 5,035.91	
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets. Frequency standardization expenditure in suspense	162,134.07 341.06	26,378.27		59,192.94	53,457.53	
	292,630.92			194,045.28		
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	1,082.79					
Total liabilities			·			
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	162,134.07 15,708.02	26,378.27	29,564.75 4,041.06	59,192.94 18,141.91		
Total reserves	177,842.09	33,418.87	33,605.81	77,334.85	69,117.36	
SURPLUS Debentures paid Local sinking fund. Operating surplus						
Net frequency standardization expense charged this year	-	2,111.02				
Total surplus	111,273.19	49,344.77	21,982.89	113,809.47	116,263.05	
Total liabilities, reserves, and surplus	292,630.92	87,208.12	56,016.49	194,045.28	185,891.1	
Percentage of net debt to total assets less equity in H-E.P.C. systems	2.7	7.3	1.62	2.2	0.4	

Utilities as at December 31, 1951

Almonte	Alvinston	Amherstburg	Ancaster	Apple Hill	Arkona	Arnprior ·
2,394	682	3,594	Twp. (V.A.)	464	338	4,495
\$ 10,694.35	\$ 2,058.60	\$	\$ 354.71	\$ 169.06	\$	\$ 8,241.00
24,581.90 42,237.54	20,220.60	61,730.70	58,690.90	7,934.80	12,344.01	46,838.81
25,237.67	6,047.08	657.77 52,921.13	28,510.57	2,887.91	5,720.97	40,047.33
16,419.74	5,648.62	25,562.19 3,282.73	14,273.58	1,795.85	3,768.95 1,378.88	24,349.55 33,670.94
9,139.20	1,473.27			421.12		
1,249.89 110,647.67	227.76	3,706.29	520.86	7.85	54.95	319.85
240,207.96	35,675.93	147,860.81	104,214.58	13,216.59	23,267.76	153,467.48
10,700.36 32,000.00	1,721.46 6,000.00	213.57 17,350.00	477.99	8,939.81 2,500.00	1,500.00	4,997.65 31,000.00
2,114.33 6.849.51	214.35 3,113.97	5,729.06 13,892.90	3,212.73	719.79	114.36	1,295.47 11,164.59
	29,805.75	13,832.30	40,950.71	6 679 04	12 602 60	42,069.05
8,840.63	29,605.75	1.88	123.30	6,678.04	13,692.60	42,069.05
			6:00		2,958.99	
300,712.79	76,531.46	309,297.50	148,985.31	32,054.23	41,533.71	243,994.24
10,841.13 1,939.67	623.91	3,055.12	28,445.25 7,786.31	9,216.55	435.87	16,486.77
674.38	55.00	830.11	272.25		19.79	3,106.23
13,455.18		. 3,885.23		9,216.55	455.66	19,593.00
	076.91	. 5,005.25		9,210.33	455.00	19,393.00
8,840.63		124,249.28		6,678.04	13,692.60	42,069.05
55,479.73 1,490.34		45,180.09 413.56		1,576.33	6,783.30	9,034.87
65,810.70	42,737.56	169,842.93	49,063.39	8,254.37	20,475.90	51,103.92
61,158.87	23,529.24	32,053.60	15,665.03	5,080.12	13,112.83	55,469.13
160,288.04	11,824.20	103,515.74	47,753.08	9,503.19	7,489.32	117,828.19
	2,238.45					
221,446.91	33,114.99	135,569.34	63,418.11	14,583.31	20,602.15	173,297.32
300,712.79	76,531.46	309,297.50	148,985.31	32,054.23	41,533.71	243,994.24
6.7	1.5	2.1	33.8	36.3	1.6	9.7

Balance Sheets of Municipal Electrical

SOUTHERN	ONTARIO	SYSTEM_	-Continued

Municipality	Arthur	Athens	Aurora	Aylmer	Ayr
Population	1,060	841	3,363	3,557	872
Assets Lands and buildings Substation equipment. Distribution system—overhead Distribution system—underground.	23,629.59	\$	\$ 23,294.81 1,491.05 55,794.23	\$ 11,147.41 5,125.60 49,130.32	
Line transformers	15,373.59 7,883.64 2,405.09	6,479.70 4,932.98 1,386.97	39,971.19 26,678.48 8,113.97	49,489.26 24,490.21 11,803.60	9,822.07 6,572.64 1,170.78
Miscellaneous construction expense Steam or hydraulic plant Old plant			19,555.15		161.57
Total plant	51,567.03	31,970.27	174,898.88	157,356.06	33,299.76
Bank and cash balance	178.70 4,000.00 98.31 108.76	9,522.25 9,000.00 1,917.09			3,964.18 10,743.66 367.48
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets. Frequency standardization expenditure in suspense.	38,970.51		34,931.39	101,623.17	32,485.18
Total assets	94,923.31	67,205.20	210,314.81	266,561.47	80,860.26
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities			27,003.35 515.88 1,302.41		
Total liabilities	2,119.31	480.75	28,821.64	3,133.32	569.06
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	14,238.33	14,795.59 3,852.31 206.06	30,310.02	101,623.17 36,293.89 622.24	32,485.18 9,135.17
Total reserves	53,208.84	18,853.96	65,241.41	138,539.30	41,620.35
SURPLUS Debentures paid Local sinking fund Operating surplus	23,679.27		123,598.10	38,701.92 	17,503.38
Net frequency standardization expense charged this year					
Total surplus	39,595.16		116,251.76		38,670.85
Total liabilities, reserves, and surplus.	94,923.31	67,205.20	210,314.81	266,561.47	80,860.26
Percentage of net debt to total assets less equity in H-E.P.C. systems	3.8	0.9	16.4	1.9	1.2

Utilities as at December 31, 1951

		1				
Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
700	1,308	13,318	1,294	429	660	1,728
\$ 882.40	\$	\$ 132,632.21 115,900.67	\$	\$	\$ 176.13	\$
13,483.78	19,880.59	143,024.05	11,339.08	12,604.18	21,463.45	25,646.13
7,446.54 5,859.13 870.96	9,272.09 7,610.95 2,294.67	66,582.89 118,090.81 98,533.44 15,786.22	6,937.72 4,528.60 1,625.32	4,234.27 2,028.88 878.71	9,750.83 5,570.90 875.09	16,512.99 11,751.58 3,725.64
148.18	581.48	919.03	105.70	727.38	2,196.47	
	108,270.93		2,500.00			
28,690.99	147,910.71	691,469.32	27,036.42	20,473.42	40,032.87	57,636.34
10,765.96 6,500.00	1,256.84	100.00	7,296.22	2,649.81	21,500.00	2,252.18 22,000.00
84.90	3,795.18 2,129.34	48,308.36 27,719.85	301.46	96.91	1,278.51	772.68
66,343.66	1,266.40	355,392.33 515.51	333.34	5,655.15	86,919.03	21,572.98
						165.00
112,385.51	156,358.47	1,123,505.37	34,967.44	28,875.29	149,730.41	104,399.18
656.04	39,375.00 2,394.00 194.50	334.93 18,747.87 7,394.70	4,743.69 1,848.73	594.88 2,175.22 218.00	52.97 1,567.80	1,009.10
666.04	41,963.50	26,477.50	6,592.42	2,988.10	1,620.77	1,824.00
66,343.66 5,336.02	1,266.40 26,399.57	355,392.33 176,741.48 400.00	333.34 135.31	5,655.15 4,393.15	86,919.03 11,177.37	21,572.98 14,705.63
71,679.68	27,665.97	532,533.81	468.65	10,048.30	98,096.40	36,278.61
5,000.00	28,125.00	65,365.68	5,256.31	6,905.12	5,536.66	37,500.00
35,039.79	58,604.00	499,128.38	22,650.06	8,933.77	44,476.58	28,796.57
40,039.79	86,729.00	564,494.06	27,906.37	15,838.89	50,013.24	66,296.57
112,385.51	156,358.47	1,123,505.37	34,967.44	28,875.29	149,730.41	104,399.18
1.4	27.1	3.4	13.3	1.3	2.6	2.2

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Beaverton	Beeton	Belle River	Belleville	Blenheim
Population	967	579	1,411	19,423	2,436
Assets Lands and buildingsSubstation equipment Distribution system—overhead	\$ 499.50 30,411.05			\$ 45,415.35 185,439.72 240,400.72	\$ 14,874.79 1,264.64 61,710.84
Distribution system—underground. Line transformers. Meters. Street light equipment, regular.	13,739.97 10,581.95 2,127.34	4,197.10 4,289.42 3,817.30	9,200.48	104,370.99 126,196.12 51,265.03	32,777.21 22,719.46 5,684.35
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plantOld plant	270.91	323.69	365.17	19,703.15	311.13
Total plant	57,630.72	28,003.28	54,435.72	772,791.08	139,342.42
Bank and cash balance	22.16	4,000.00 73.29	2,000.00		25.00 4,000.00 597.11 2,615.97
Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	41,237.39 538.61	197.33	1.92	444,751.97	80,293.45 367.59
ture in suspense				1 404 750, 22	
Total assets	110,144.82	62,907.26	83,878.39	1,424,750.33	227,241.54
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	254.29				620.56 12,614.62 295.00
Total liabilities					13,530.18
RESERVES					
For equity in H-E.P.C. systems For depreciation Other reserves		30,015.03 6,065.91 86.50	15,046.12		80,293.45 27,450.71 217.77
Total reserves	61,987.15	36,167.44	39,840.55	583,757.94	107,961.93
SURPLUS Debentures paidLocal sinking fund		13,610.31	8,500.00	174,997.19	14,000.00
Operating surplus. Net frequency standardization expense charged this year	34,580.72	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	31,687.00	602,991.59	91,749.43
Total surplus			40,187.00	777,988.78	
Total liabilities, reserves, and surplus.				1,424,750.33	
Percentage of net debt to total assets, less equity in H-E.P.C. systems	1.1	0.6	6.5	6.4	9.2

Utilities as at December 31, 1951

				1		
Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford
653	660	1,139	852	701	5,318	1,576
\$	\$	\$ 740.00	\$	\$	\$ 61,542.26 137,417.41	\$ 5,710.06 388.50
12,185.02	15,763.37	31,964.72	19,012.40	11,413.45	79,962.90	39,439.23
3,890.71 4,601.85 3,092.05	8,754.96 4,937.05 1,554.68	10,996.77 11,532.55 6,458.95	15,050.64 7,594.77 1,092.96	9,474.55 5,234.53 4,764.50	28,735.65 36,640.07 10,772.16	22,610.86 14,975.17 1,522.77
	288.76	993.41 75,000.00	1,390.90	125.77	12,402.55	1,418.96
23,769.63	31,298.82	137,686.40	44,141.67	31,012.80	367,473.00	86,065.55
3,481.40 18,000.00 183.95	5,048.67 8,000.00 464.64	1,714.72 2,640.84 2,782.62	1,457.43 7,000.00 958.21 25.00	259.35 8,000.00 400.39	14,269.74 65,000.00 6,019.95 12,442.99	18,936.90 2,500.00 218.79 7,552.10
14,692.43	22,029.71	3,479.39 53.12	35,844.39	32,799.43	173,555.59 23.09	39,704.52
	4,630.41					
60,127.41	71,472.25	148,357.09	. 89,426.70	72,471.97	638,784.36	154,977.86
397.91	4,932.73	28,706.77 117.72	2,290.63	683.62	344.41	1,354.17
238.00	163.79		231.39	100.95	1,889.47	1,117.44
635.91	5,096.52	28,824.49	2,522.02	784.57	2,233.88	2,471.61
14,692.43 11,164.57	22,029.71 8,541.47	3,479.39 39,304.75	35,844.39 7,571.89 70.60	32,799.43 9,252.47	173,555.59 93,775.09	39,704.52 18,648.57 29.88
25,857.00	30,571 . 18	42,784.14	43,486.88	42,051.90	267,330.68	58,382.97
9,796.58	16,032.52	61,293.23	12,500.00	5,534.19	71,000.00	23,351.06
23,837.92	19,772.03	15,455.23	34,112.45	24,101.31	298,219.80	70,772.22
			3,194.65			
33,634.50	35,804.55	76,748.46	43,417.80	29,635.50	369,219.80	94,123.28
60,127.41	71,472.25	148,357.09	89,426.70	72,471.97	638,784.36	154,977.86
1.4	10.3	19.9	4.7	2.0	0.5	2.1

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Braeside	Brampton	Brantford	Brantford	Brechin
Population	451	8,301	36,602	Twp.(V.A.) 16,318	270
Assets Lands and buildings	\$	<u> </u>	\$ 185,241.01	\$ 4,867.69	\$
Substation equipment Distribution system—overhead. Distribution system—underground.	5,248.74	58,631.34 94,606.03	335,776.13 391,479.50 7,029.67	95,411.16 212,804.82	1,724.65
Line transformers	1,999.12 87.20	93,924.81 56,382.37 15,720.92	248,327.72	92,966.79 70,897.20 16,149.19	2,432 - 89 1,226 . 48 197 . 38
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plantOld plant					
Total plant				504,748.21	
Bank and cash balanceSecurities and investmentsAccounts receivable	1,415.43	51,500.00 2,518.79	1,006.33 81,000.00 68,456.84	2,979.31	2,637.17 7,000.00 53.10
Inventories Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	3.320.31	11,121.43 358,546.98	2,019,026.96 6,629.31	102,852.98	24.42
ture in suspense		445.74	1,785.00	2,235.00	
Total assets	20,143.37	754,162.32	3,912,893.24	630,140.12	29,142.97
LIABILITIES Debenture balance	961.31	2,779.36 3,866.98	41,728.53		146.25
Total liabilities	5,504.81	9,456.34	82,087.80	185,141.91	176.25
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	3,320.31 205.69		523,311.99	102,852.98 83,965.54 62.00	13,846.88 1,251.32 8.49
Total reserves	3,526.00	456,592.46	2,551,128.24	186,880.52	15,106.69
SURPLUS Debentures paid			l	85,636.45	2,664.00
Operating surplus Net frequency standardization expense charged this year	9,521.06	0	0	172,481.24	11,196.03
Total surplus	11,112.56	288,113.52	1,279,677.20	258,117.69	13,860.03
Total liabilities, reserves, and surplus	. 20,143.37	754,162.32	3,912,893.24	630,140.12	29,142.97
Percentage of net debt to total assets less equity in H-E.P.C. systems		2.4	4.3	35.1	1.2

Utilities as at December 31, 1951

Bridgeport	Brigden	Brighton	Brockville Brussels		Burford	Burgessville
1,138	450	2,027	12,030	817	884	194
\$	\$ 1,482.03	\$ 600.00	\$ 70,673.24 206,545.30		\$ 802.00	\$
19,938.73	12,334.40	34,916.42			15,427.66	4,895.43
11,208.40 7,116.91 1,953.10	4,150.39 4,908.11 509.23	12,911.82 12,975.89 1,363.30	91,677.14 73,149.21 51,589.09	17,015.01 6,692.95 1,765.79	9,487.52 7,547.74 1,251.02	4,293.08 1,678.22 261.02
	68.80	718.69	4,787.67	184.67	300.78	25.00
40,217.14	23,452.96	63,486.12	610,033.84	51,448.84	34,816.72	11,152.75
2,171.86	2,834.81 5,500.00 171.19	25.00 10,000.00 3,319.57 6,882.07	3,299.85 16,500.00 4,605.32 8,668.00	2,234.67	63.70 4,000.00 977.63 275.35	3,494.21 2,800.00 309.48
16,586.96	23,316.14	31,590.94	416,128.26	28,490.58 10.00	30,366.54 30.00	11,037.26
			,	4,653.14		18.00
60,580.78	.55,275 . 10	115,303.70	1,059,658.08	87,048.64	70,529.94	28,811.70
641.92	139.09	60.52 2,360.34	4,670.12	5,512.67	302.60	11.92
195.00	40.00	1,297.39	6,728.19	95.55	116.30	10.00
836.92	179.09	3,718.25	11,398.31	5,608.22	418.90	21.92
16,586.96 11,968.68	23,316.14 5,861.80 97.24	31,590.94 9,324.10	416,128.26 141,252.71 13,294.27	28,490.58 5,158.39	30,366.54 8,193.39	11,037.26 5,153.72
28,555.64	29,275.18	40,915.04	570,675.24	33,648.97	38,559.93	16,190.98
12,368.03	8,000.00	25,000.00	174,869.92	21,000.00	9,000.00	3,500.00
18,820.19	19,045.21	45,670.41	302,714.61	26,791.45	22,551.11	9,098.80
	1,224.38					
31,188.22	25,820.83	70,670.41	477,584.53	47,791.45	31,551.11	12,598.80
60,580.78	55,275 . 10	115,303.70	1,059,658.08	87,048.64	70,529.94	28,811.70
1.9	0.6	. 4.4	1.8	9.6	1.0	0.1

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality		Burlington	Caledonia	Campbell-	Canning-
Population	Falls 852	6,314	1,685	ville 260	ton 874
Assets Lands and buildings	\$	\$ 24,153.58	\$ 656.01	\$	\$
Substation equipment Distribution system—overhead Distribution system—underground.	29,652.51	160,151.77	31,796.65	3,567.17	18,466.14
Line transformers	10,471.87 3,451.05 2,825.75	77,091.16 46,387.82 9,794.53	20,092.37 12,473.02 4,165.87	2,866.81 1,326.70 744.58	9,543.30 7,476.15 3,626.62
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plant	1,202.57	15,164.61	2,603.87		
Old plant					
Total plant	·	332,743.47	71,787.79	8,512.08	39,112.21
Bank and cash balance	570.81 59.50	2,600.00 5,887.10	200.00 823.53	3,600.00 34.04	795.07 9,000.00 376.87 674.26
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets.	291.41	30,205.55 14.77	48,179.43 140.00	6,358.79	31,430.51 849.09
Frequency standardization expenditure in suspense		390.00		43.00	
Total assets	54,317.77	463,582.29	125,207.54	18,915.37	82,238.01
LIABILITIES Debenture balanceAccounts payableBank overdraft	7,547.27	191,523.21 10,675.42	3,500.00 4,312.33		165.96
Other liabilities		6,629.77	505.69		30.00
Total liabilities	38,856.03	208,828.40	8,31802	420.04	195.96
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	291.41 1,571.32	30,205.55 28,287.06	48,179.43 10,292.72		31,430.51 13,459.92 76.05
Total reserves	1,862.73	58,492.61	58,472.15	8,946.07	44,966.48
SURPLUS Debentures paid Local sinking fund	3,691.24	68,976.79	6,124.00	5,447.77	14,532.42
Operating surplus. Net frequency standardization expense charged this year.		127,284.49	52,293.37	4,101.49	22,543.15
Total surplus		196,261.28	58,417.37	9,549.26	37,075.57
Total liabilities, reserves, and surplus.	54,317.77	463,582.29	125,207.54	18,915.37	82,238.01
Percentage of net debt to total assets less equity in H-E.P.C. systems	71.9	48.2	10.8	3.4	0.4

Utilities as at December 31, 1951

					r ingas	1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cardinal	Carleton	Cayuga	Chatham	Chatsworth	Chesley	Chesterville
1,811	Place 4,685	716	21,473	408	1,715	1,178
\$ 18,533.50 8,438.00 6,704.64 1,184.04	\$ 13,390.32 16,415.55 57,883.51 24,271.04 28,174.15 7,721.81	27,671.14 10,954.96 6,901.68 2,439.69	\$ 314,802.56 239,448.54 321,229.28 192,239.10 196,029.53 129,206.97 45,320.19	\$ 364.897,155.204,146.88 3,573.43 2,709.52	\$ 6,000.00 2,305.58 36,933.46 	\$ 3,360.25
46.08	595.64	1,429.12	73,370.15	51.86	654.12	719:11
34,906.26	148,452.02	49,396.59	1,511,646.32	18,001.78	83,445.09	37,961.34
1,299.71 1,500.00 542.15	1,794.61 39,500.00 1,391.36 5,680.77	4,337.45 18,200.00 590.66 245.53	50.00 50,000.00 79,761.69 74,600.66	2,654.91 1,000.00 103.20	5,408.82 4,000.00 141.36 588.79	4,535.50 12,000.00 358.34
18,456.60	170,927.60	22,348.52 55.00	848,237.72 232.14	10,447.63	75,469.73	52,374.11 1,143.03
			3,629.47			
56,704.72	367,746.36	95,173.75	2,568,158.00	32,207.52	169,053.79	108,372.32
16.08	2,051.06	1,014 .25 460 .43	446,075.85 558.23 32,872.64 9,226.35	21.20 115.23	463.04	132.87 45.00
16.08	2,051.06	1,474.68	488,733.07	136.43	463.04	177.87
18,456.60 4,525.88 26.65	170,927.60 30,965.74 800.49	22,348.52 10,873.92 149.06	848,237.72 288,149.04 51,205.73	10,447.63 4,229.62	75,469.73 22,543.34	52,374.11 11,312.21
23,009.13	202,693.83	33,371.50	1,187,592.49	14,677.25	98,013.07	63,686.32
11,014.20 	58,116.83	20,000.00	423,924.15		24,410.34 	5,889.32 38,618.81
33,679.51	163,001.47	60,327.57	891,832.44	ļ	70,577.68	44,508.13
56,704.72	367,746.36	95,173.75	2,568,158.00	32,207.52	169,053.79	108,372.32
0.0	1.0	2.0	28.4	0.6	0.5	0.3

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

	1	1	1	1	1
Municipality	Chippawa	Clifford	Clinton	Cobden	Cobourg
Population	1,676	485	2,495	796	7,818
Assets Lands and buildings Substation equipment Distribution system—overhead	24,961.72	\$ 11,812.35	\$ 10,164.94 22,938.90 35,438.73		\$ 32,227.73 1,668.35 147,978.83
Distribution system—underground. Line transformers. Meters. Street light equipment, regular. Street light equipment, ornamental	12,214.62 9,990.12 8,367.79	3,805.52	16,539.94	4,978.23	53,152.51
Miscellaneous construction expense Steam or hydraulic plant Old plant	864.81				
Total plant	57,833.52	24,945.75	122,439.39	21,502.60	341,615.17
Bank and cash balance	28.70 4,500.00 621.89 480.74	1,000.00	4,500.00	2,266.66	20,000.00
Equity in H-E.P.C. systems Other assets Frequency standardization expenditure in suspense	. 32	17.00	20.00		
Total assets					
	98,891.04	46,194.00	271,216.85	41,255.21	532,599.70
LIABILITIES Debenture balance		1,485.10 1,943.87	6,209.51		7,148.50 1,087.69 2,036.23
Other liabilities	940.00	5.00	1,580.77	118.50	5,725.59
Total liabilities	940.00	3,433.97	37,790.28	118.50	15,998.01
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	35,425.87 15,091.10	16,579.73 6,834.07		1,377.26	137,483.00 84,614.86
Total reserves	50,516.97	23,413.80	129,843.89	9,361.38	222,097.86
Surplus Debentures paid	13,350.00	6,514.90	44,500.00	4,949.42	98,845.00
Local sinking fund Operating surplus Net frequency standardization expense charged this year	34,084.07	12,831.33			195,658.83
Total surplus	47,434.07	19,346.23	103,582.68	31,775.33	294,503.83
Total liabilities, reserves, and surplus.	98,891.04	46,194.00	271,216.85	41,255.21	532,599.70
Percentage of net debt to total assets, less equity in H-E.P.C. systems	1.5	11.6	22.0	0.3	4.0

Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam	Courtright
1,127	620	7,367	545	421	520	545
\$	\$ 275.00	\$ 20,235.07	\$ 498.22	\$ 70.00	\$ 475.63	\$
15,850.35	16,689.93	23,104.35 90,122.46		20,360.56	13,012.75	9,290.41
5,778.32 6,492.62 3,342.44	8,561.48 5,726.28 3,850.48	55,303.52 46,426.47 23,735.25	11,547.44 4,587.34 1,106.90	4,704.88 4,168.08 1,543.85	6,202.40 3,903.09 781.16	3,128.15 2,564.82 1,362.24
4,597.93	190.77	7,058.90	421.47	26.80	176.13	
36,061 . 66	35,293.94	265,986.02	33,090.05	30,874.17	24,551.16	16,345.62
1,066:20 5,000:00 2,772:88 5,937:81	8,500.00	10,972.80 15,000.00 2,444.33 10,081.42	16.65	4,083.59	5,282.29 3,000.00 76.12	1,166.10
14,078.96	28,051 . 83 300 . 00	286,183.48 3,179.59	35,052.51	11,748.83	10,611.57	11,765.09
					6.00	
64,917.51	78,061.14	593,847.64	70,393.16	46,774.35	43,527.14	29,493.21
	347.42	896.37	5,000.00	570.55	414.26	844.29
420.00	125.37	4,468.46	108.23	119.25	105.71	210.00
420.00	472.79	5,364.83	5,108.23	689.80	519.97	1,054.29
14,078.96 5,676.37	28,051.83 9,084.96 46.00	286,183.48 62,515.10 150.00	35,052.51 5,191.45 25.38	11,748.83 2,387.60	10,611.57 7,590.48 37.95	11,765.09 664.41 5.24
19,755.33	37,182.79	348,848.58	40,269.34	14,136.43	18,240.00	12,434.74
12,194.59	6,867.47	38,183.42	7,700.00	12,000.85	9,000.22	8,138.35
32,547.59	33,538.09	201,450.81	17,315.59	19,947.27	15,766.95	7,865.83
	• • • • • • • • • • • • • • • • • • • •					
44,742.18	40,405.56	239,634.23	25,015.59	31,948.12	24,767.17	16,004.18
64,917.51	78,061.14	593,847.64	70,393.16	46,774.35	43,527 . 14	29,493.21
0.8	0.9	1.7	14.5	2.0	1.3	5.9

Municipality	Creemore	Dashwood	Delaware	Delhi	Deseronto
Population	738	399	347	2,557	1,517
Assets Lands and buildingsSubstation equipment Distribution system—overhead		\$ 4 928 75	\$ 8,108.76	\$ 2,560.58 507.29	161.18
Distribution system—underground. Line transformers. Meters. Street light equipment, regular. Street light equipment, ornamental	7,416.77 5,833.29 768.00	6,500.17 3,214.03 364.52	1,970.47 2,220.64 325.93	30,254.62 24,082.08	17,238.44 9,507.94
Miscellaneous construction expense Steam or hydraulic plant Old plant			ੁ 36.35	7,368.89	
Total plant	26,358.47	15,00747	12,662.15	151,986.32	54,254.64
Bank and cash balance	4,628.84 5,000.00 226.18 60.25	100.01		18,500.00 157.05	4,473.45
Equity in H-E.P.C. systems Other assetsFrequency standardization expendi-	23,984.17 181.26			73.17	
ture in suspense Total assets			23 334 54	226,057.88	94,941.83
LIABILITIES Debenture balance		30,004.10	20,004.04	40,348.77	
Accounts payable Bank overdraft Other liabilities	1,336.61	645.70	291.03		317.54
;Total liabilities					
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	23,984.17 4,677.03 41.00	18,030.85 3,143.51		23,427.23	15,829.13
Total reserves	28,702.20	21,174.36	8,433.60	50,826.31	35,476.94
SURPLUS Debentures paidLocal sinking fund	2,823.61	3,400.00	4,000.00	44,651.23	15,000.00
Operating surplus. Net frequency standardization ex-	27,372.75	11,644.10			
pense charged this year					
Total surplus	30,196.36	15,044.10		132,693.51	
Total liabilities, reserves, and surplus.	60,439.17	36,864.16	23,334.54	226,057.88	94,941.83
Percentage of net debt to total assets, less equity in H-E.P.C. systems	4.2	3.4	2.01	21.4	1.1

Utilities as at December 31, 1951

Dorchester	Drayton	Dresden	Drumbo	Dublin	Dundalk	Dundas
557	518	2,070	334	203	811	6,787
\$	\$ 12,351.21	\$ 33,944.94 523.00 38,151.62	\$ 6,982.77	\$ 7,003.88	\$ 218.00	\$ 22,277.88 38,563.62 88,832.47
5,922.94 4,396.10 3,132.43	9,412.93 4,918.83 2,096.46	15,722.79 16,051.14 2,111.35	4,844.58 3,300.00 505.64	3,730.63 2,084.37 659.43	7,872.55 5,482.18 2,770.66	46,750.20 43,369.21 17,010.81
243.70	530.55	4,152.09			889.04	3,791.13
27,090.46	29,309.98	110,656.93	15,632.99	13,478.31	28,626.04	260,595.32
3,422.74 5,700.00 207,32 137.31	2,141.34 4,500.00 746.64	1,122.85 1,000.00 4,079.54 7,501.53	4,456.24 8,500.00 736.35 31.19	1,300.00 176.26	2,118.35 15,000.00 282.39	3,121.35 10,500.00 4,880.48
16,005.60	26,554.98 32.50			11,163.53	27,264.23	300,145.48 616.83
3,829.92	72.00		36.00	187.56		1,085.00
56,393.35	63,357.44	193,097.77	43,648.16	33,768.15	73,291.01	580,944.46
4,353.39 53.22	.	19,255.69 2,645.98 548.00	420.31		192.53	396.18 1,471.08 10,571.35
4,406.61	40.00	22,449.67	705.31	324.67	192.53	12,438.61
16,005.60 7,554.76			8,006.71		27,264.23 8,181.80	300,145.48 91,954.35 98.86
23,560.36	35,418.20	76,246.78	22,262.10	18,363.47	35,446.03	392,198.69
4,300.00	9,500.00	12,167.55	4,500.00	6,200.00	5,727.27	53,000.00
24,126.38	18,399.24	82,233.77	16,180.75	8,880.01	31,925.18	123,307.16
28,426.38	27,899.24	94,401.32	20,680.75	15,080.01	37,652.45	176,307.16
56,393.35	63,357.44	193,097.77	43,648.16	33,768.15	73,291.01	580,944.46
10.9	0.1	18.0	2.4	1.4	0.4	4.4

Municipality	Dunnville	Durham	Dutton	East York
Population	4,384	2,293	863	Twp. 62,301
ASSETS Lands and buildings	40,941.49			252,219.65
Distribution system—overhead Distribution system—underground Line transformers	51,557.26 39,216.61			
Meters Street light equipment, regular Street light equipment, ornamental.	33,514.96 12,107.47	13,170.08	4,713.39	333,124.22
Miscellaneous construction expense. Steam or hydraulic plant. Old plant.	4,693.52			54,787.47
Total plant	- (2,061,753.39
Bank and cash balance	70.00 30,000.00 3,944.31	2,000.00	7,500.00	
Inventories Sinking fund on local debentures	10,877.67	278.66		29,574.42
Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	139,034.07 320.09		39,588.68 1.34	
ture in suspense	368.00		31.85	
Total assets	373,969.01	140,563.42	78,588.88	2,903,672.83
LIABILITIES Debenture balance Accounts payable Bank overdraft	37.60 11,607.53	331.39	1,626.80	701,000.00 122,371.73
Other liabilities	2,684.61	62.00	157.36	13,411.22
Total liabilities	14,329.74	393.39	1,784.16	836,782.95
RESERVES For equity in H-E.P.C. systems. For depreciation. Other reserves.	139,034.07 57,649.28			724,884.46 217,274.72 7,055.84
Total reserves	196,683.35	76,507.06	50,898.27	949,215.02
SURPLUS Debentures paid Local sinking fund	75,500.00	25,323.97	8,407.49	378,763.36
Operating surplus. Net frequency standardization ex-	87,455.92	38,339.00	17,498.96	975,378.13 236,466.63
Total surplus	162,955.92	63,662.97	25,906.45	1,117,674.86
Total liabilities, reserves, and surplus.	373,969.01	140,563.42	78,588.88	2,903.672,83
Percentage of net debt to total assets less equity in H-E.P.C. systems	6.1	0.5	4.6	38.4

Elmira	Elmvale	Elmwood	Elora	Embro	Erieau	Erie Beach
2,547	821		1,365	448	404	59
\$ 40,910.93	\$ 156.25	\$ 1,709.66	\$ 4,584.26	\$	\$	\$
46,928.02 58,628.00	2,273.07 15,865.98	8,994.48	24,581.52	13,243.24	23,297.90	4,841.29
1,030.41 34,433.72 23,882.23 4,720.10	12,472.07 8,645.85 6,009.93	3,811.42 3,129.21 1,076.59	16,627.53 9,898.91 1,732.53	10,073.94 3,750.62 606.45	13,880.51 5,910.61 794.23	1,560.37 1,845.38 306.37
1,274.57	25.97		1,687.26	1,115.45		
211,807.98	45,449.12	18,721.36	59,112.01	28,789.70	43,883.25	8,553.41
21,630.10	1,500.00	3,100.00	4,771.15 7,500.00 347.31 167.24	4,574.46 3,500.00 97.87	2,369.22 1,000.00 392.36	
161,725.35 654.40		9,470.13		23,132.20	16,922 . 19 1,088 . 45	
2,945.79						
403,589.38	79,911.90	33,343.51	146,757.07	60,094.23	65,655.47	13,018.70
2,356.12	2,037.52					
1,029.05		1,090.00	390.00	20.38	42.50	170.00
3,385.17	2,037.52	1,512.79	3,057.83	1,158.06	161.34	670.00
161,725.35 46,272.26		3,574.53	74,859.36 21,418.50	23,132.20 8,041.16	16,922.19 5,961.71 37.41	653.41
207,997.61	36,360.26	13,044.66	96,277.86	31,173.36	22,921.31	4,265.66
37,168.50	6,544.07	6,106.38	13,000.00	7,500.00	6,883.13	3,300.00
155,038.10	34,970.05	12,679.68	34,421.38	20,262.81	35,689.69	4,783.04
192,206.60						
403,589.38	79,911.90	33,343.51	146,757.07	60,094.23	65,655.47	13,018.70
1.4	4.0	6.3	4.3	3.13	0.3	7.1

SOUTHERN	ONTARIO	SYSTEM—Continued	
			d

Municipality	Erin	Essex	Etobicoke	Exeter
Population	638	2,782	Twp. 52,635	2,559
ASSETS Lands and buildings Substation equipment Distribution system—overhead		\$ 11,913.64 64,078.74	146,564.04 1.155.996.05	
Distribution system—overhead. Distribution system—underground. Line transformers Meters Street light equipment, regular	3,007.84 2,189.16 881.75	442.55 32,537.71 19.487.49	530,064.09 318,910.78	29,074.11 19,302.28
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plant	465.22	3,754.15	181,615.45	5,351.12
Total plant	22,629.95	135,539.36	2,588,875.93	120,469.69
Bank and cash balance	2,538.28	2,395.82	21,497.23	2,637.96
Securities and investments	174.75	1,950.70 5,799.29	7,000.00 27,795.84 114,250.60	3,774.19
Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	280.25	71,110.18	644,328.66 1,634.89	93,590.71
ture in suspense		12.00	184,492.96	14,415.23
Total assets	25,623.23	216,814.35	3,589,876.11	238,273.64
LIABILITIES Debenture balance	13,775.00 1,295.68	4,176.74 57.00	942,200.00 698,052.24	223.06
Other liabilities	180.00	640.00	24,729.68	1,411.07
Total liabilities	15,250.68	4,873.74	1,664,981.92	1,634.13
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	280.25 2,313.40	71,110.18 36,183.14 373.37	644,328.66 238,268.92 2,154.27	93,590.71 34,263.71 60.16
Total reserves	2,593.65	107,666.69	884,751.85	127,914.58
SURPLUS Debentures paid Local sinking fund	725.00	18,323.26	323,495.40	20,000.05
Operating surplus Net frequency standardization expense charged this year	7,053.90	85,950.66	716,646.94	88,724.88
Total surplus	7,778.90	104,273.92	1,040,142.34	108,724.93
Total liabilities, reserves, and surplus.	25,623.23	216,814.35	3,589,876.11	238,273.64
Percentage of net debt to total assets, less equity in H-E.P.C. systems	60.2	3.3	60.3	1.1

Utilities as at December 31, 1951 or.

Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill	Frankford
3,411	371	484	1,467	1,793	16,374	1,398
\$ 2,442.52 27,539.89 49,237.48	\$10,434.74	\$ 408.78 9,286.33	\$ 23,640.06	\$ 6,576.61 27,820.08	\$ 47,020.21 219,993.64 267,029.89	\$ 17,506,86
35,215.28 23,984.72 9,955.27	5,197.75 3,724.78 504.07	5,714.67 4,150.57 1,586.58	13,218.26 11,764.59 3,577.87	21,844.75 9,445.31 7,025:37	6,649.36 166,651.92 85,663.66 15,890.06	4,961.87 6,619.14 2,811.76
1,511.07	174.64	485.15	1,955.89	3,465.50	25,504.47	168.13
	• • • • • • • • • •					
149,886.23	20,035.98	21,632.08	54,156.67	76,177.62	834,403.21	32,067.76
1,613.21 1,971.53 1,969.94	5,213.99 6,000.00 628.23	6,739.60 7,000.00 60.61 9.65	366.71	4,095.51 33,510.00 435.67 2,094.23	70,788.91 74,000.00 4,926.07 18,504.01	701.17
144,928.07 675.53		13,035.40	16,919.80	75,581.84 101.90	461,927.01	851.90
240.00		• • • • • • • • • • •		12,927.12	5,663.60	
301,284.51	42,545.62	48,477.34	72,150.20	204,923.89	1,470,212.81	44,813.24
331.13	.		3,600.00		117,559.11 32,517.40	
1,020.94		85.00		96.86		650.41
1,352.07	1,331.88	85.00	4,024.30	96.86	167,034.33	19,156.95
144,928.07 28,433.08 203.59	3,488.54					851.90 4,637.45
173,564.74	14,155.96	18,856.35	24,978.71	104,462.93	689,954.46	5,489.35
42,000.00	l í			l		
84,367.70	20,057.78	23,705.11	20,247 . 19	77,006.97	368,001.53	16,166.94
126,367.70	27,057.78	29,535.99	43,147.19	100,364.10	613,224.02	20,166.94
301,284.51	42,545.62	48,477.34	72,150.20	204,923.89	1,470,212.81	44,813.24
0.9	4.2	0.2	7.3	0.1	16.7	43.6

Municipality	Galt	Georgetown	Glencoe	Goderich
Population	19,362	3,503	976	4,963
Assets	\$	\$	\$	\$
Lands and buildings	258,224.29		3,587.66	
Substation equipment	317,025.93 372,437.42	18,491.00 67,634.57		39,569.79
Distribution system—overhead Distribution system—underground	4,230.40	07,034.37	30,005.71	98,235.40
Line transformers	198,408.88	47,331.57	16,705.18	54,106.42
Meters	140,445.25	31,820.86	7,162.25	36,841 . 13
Street light equipment, regular Street light equipment, ornamental	99,138.53	7,181.76	6,572.91	10,885.09
Miscellaneous construction expense.	42,672.48	6,700.16	1,444.93	21,233.01
Steam or hydraulic plant				
Old plant	*21,955.00			
Total plant	1,454,538.18	184,974.74	65,478.64	341,216.65
Bank and cash balance	25,700.21	1,215.54	267.92	110,392.72
Securities and investments		5,000.00	10,100.00	2,000.00
Accounts receivable	6,069.74	1,676.01	1,252.09	9,300.91
Inventories Sinking fund on local debentures	96,912.50		863.66	3,643.94
Equity in H-E.P.C. systems	1,174,408.92	229,327.88	42,163.31	257,014.68
Other assets	8,234.78	168.00	21.86	611.47
Frequency standardization expenditure in suspense	15,859.25		7,824.62	30,791.09
Total assets	2,781,723.58	437,087.52	127,972.10	754,971.46
LIABILITIES				
Debenture balance	98,750.00			128,712.65
Accounts payable	33,751.02	9,147.25	1,182.99	38,888.93
Bank overdraft				
Other liabilities	9,715.74	4,933.13	340.00	4,561.07
Total liabilities	142,216.76	14,080.38	1,522.99	172,162.65
RESERVES			1	
For equity in H-E.P.C. systems For depreciation	1,174,408.92 495,091.39	229,327.88 43,671.44	42,163.31 18,545.39	257,014.68 109,161.26
Other reserves	6,000.00	250.00	351.64	626.11
Other reserves				
Total reserves	1,675,500.31	273,249.32	61,060.34	366,802.05
Surplus				
Debentures paid	519,251.95	20,000.00	20,112.88	92,375.40
Local sinking fundOperating surplus	444,754.56	129,757.82	45,275.89	123,631.36
Net frequency standardization ex-	444,754.50	123,737.02	40,270.00	125,051.50
pense charged this year				
Total surplus	964,006.51	149,757.82	65,388.77	216,006.76
Total liabilities, reserves, and surplus.	2,781,723.58	437,087.52	127,972.10	754,971 . 46
Percentage of net debt to total assets,				
less equity in H-E.P.C. systems	8.8	6.8	1.8	34.6

^{*} Annexed plant undistributed.

					·	
Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville	Hamilton
638	263	2,901	2,685	27,140	1,718	201,296
\$ 36.50 16,993.43 8,021.72 6,301.92 1,104.37	\$ 6,725.23 3,444.69 2,244.20 180.78	1,941.77 26,492.52 25,255.06	\$ 55,197.71 30,961.08 23,676.93 5,745.08	179,534.79	\$ 2,500.00 864.37 26,679.68 20,834.93 15,121.62 1,311.22	\$ 2,204,705.67 3,426,314.36 1,965,011.23 1,261,623.59 1,586,040.69 1,260,732.82 475,028.84
		1,367.59		24,984.18	1,668.23	120,084.92
00.457.04	10.504.00	100 107 66	115 500 00	1.050.500.10	<u> </u>	10.000.540.10
32,457.94	1	138,497.66	115,580.80	1,256,789.18	68,980.05	12,299,542.12
1,907.13 8,000.00 190.10		10,000.00	4,657.27 36,000.00 604.94 67.00	20,228.37	4,759.08 32,000.00 1,204.16 415.64	36,994.05 1,050,000.00 582,758.02 555,994.10
25,094.68	15,535.52	78,025.89 445.86	24,559.13	1,376,084.81 1,066.48	151,939.90 1.62	†12,482,375.10 130,605.00
	210.04		75.00	10,634.55		16,372.62
67,649.85	30,300.23	231,662.89	181,544.14	2,732,897.08	259,300.45	27,154,641.01
468.47	954.50	261.34	13,238.15	90,000.00 67,147.86	378.81	652,590.69
	50.00	1,178.00	1,891.09	11,093.16	554.43	244,752.07 43,553.70
468.47	1,004.50		15,129.24	168,241.02	933.24	940,896.46
25,094.68 11,933.23	15,535.52 2,165.87 60.00	78,025.89 33,300.43 460.90	24,559.13 17,139.22	1,376,084.81 357,384.48 2,534.28	151,939.90 24,586.02	†12,482,375.10 1,785,231.78 242,635.07
37,027.91	17,761.39	111,787.22	41,698.35	1,736,003.57	176,525.92	14,510,241.95
10,794.30	3,500.00	44,278.97	85,344.00	155,000.00	8,000.00	6,185,275.19
19,359.17	8,034.34	74,157.36	39,372.55	673,652.49	73,841.29	5,519,053.41
						826.00
30,153.47	11,534.34	118,436.33	124,716.55	828,652.49	81,841.29	11,703,502.60
67,649.85	30,300.23	231,662.89	181,544.14		259,300.45	27,154,641.01
1.1	6.80	0.9	9.6	12.4	0.9	6.4
4 In al	udos 1051 II	FPC consitu				

[†] Includes 1951 H-E.P.C. equity.

Municipality	Hanover	Harriston	Harrow	Hastings	Havelock
Population	3,843	1,555	1,532	825	1,254
Assets Lands and buildingsSubstation equipment Distribution system—overhead	\$ 27,800.95 9,271.19 69,423.90	600.00	\$ 2,318.16 30,660.37	\$ 24,541.25	\$ 572.90 22,483.00
Distribution system—underground, Line transformers Meters Street light equipment, regular Street light equipment, ornamental Miscellaneous construction expense	39,285.94 28,145.72 6,338.04 2,232.52			5,871.39 7,235.03 6(1,577.62	5,422.23 9,292.44 2,074.5
Steam or hydraulic plant Old plant					
Total plant	182,498.26	78,605.31	73,666.23	39,225.29	40,348.6
Bank and cash balance	89,411.73 657.28 504.37	1,502.69 494.04	13,700.00 1,279.93	8,000.00	
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets. Frequency standardization expenditure in suspense.	168,078.28 1,738.06	2,510.90		10,375.20	46,971.7
Total assets		156,616.07			
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	266.75	2,645.05	4,151.72	697.38	30,000.0 657.5
Total liabilities	1,618.75	2,852.26	4,841.72	1,297.85	30,742.5
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	86,044.59		61,681.43 21,060.96 128.85	13,012.67	25,100.66 27,002.66
Total reserves	254,122.87	91,344.01	82,871.24	23,387.87	52,103.3
SURPLUS Debentures paid Local sinking fund Operating surplus Net frequency standardization ex-	124,606.64	36,601.77		21,000.00	l <u>.</u>
pense charged this year					
Total surplus					
Total liabilities, reserves, and surplus	7460,510.55	156,616.07	161,832.89	60,535.85	125,888.5
Percentage of net debt to total assets less equity in H-E.P.C. systems		3.4	4.8	2.6	30.5

Hensall	Hespeler	Highgate	Holstein	Humber-	Huntsville	Ingersoll
676	3,799	351	179	stone 3,722	3,192	6,533
		<u> </u>				
\$	\$ 17,571.77	\$	\$	\$ 26,809.12	\$ 353.52	\$ 30,330.70
22,730.43	61,710.62 58,321.02	10,482.22	5,173.88		647.30	107,837.13 82,291.90
19,734.41	50,517.16	4.959.01	2,504.43	21,963.45	33,318.00	66,009.69
7,360.77 3,556.77	21,559.73 15,709.13	2,374.14	1,611.14 1,100.04	19,384.65 2,465.08	24,874.65	48,522.66 8,283.01
206.56	5,285.52		42.67	2,403.08	1,951.29	3,565.22
200.30			42.07	2,007.33	1,931.29	
53,588.94			10,432.16	114,161.11	110,991.98	346,840.31
2,000.00	22,627.46 10,000.00	44.05 3,000.00	2,000.00	75.00		22,650.72
366.59	29,408.89 1,262.29	36.94	300.00		2,905.43 12,791.42	5,037.15 1,190.76
35,426.64	263,464.07	18,721.75	5,369.13		131,202.19	385,346.00
20.00	703.81			43.57		
5,488.89	2,305.00	9.00				208.50
96,891.06	560,446.47	42,717.83	18,101.29	166,839.75	257,891.02	761,273.44
697.94	2,911.77	1.25	298.91		166.71	80,000.00 20,274.76
737.19 40.00	1,810.00	75.00	377.28 42.60			3,296.17
1,475.13	4,721.77	. 76.25	718.79	2,743.49	7,215.72	103,570.93
35,426.64 14,964.61	263,464.07 25,568.54	18,721.75 6,666.21	5,369.13 1,179.00		131,202.19 19,545.27	385,346.00 46,382.94
14,504.01	105.17	0,000.21	1,179.00	1,010.79	129.14	147.38
50,391.25	289,137.78	25,387.96	6,548.13	57,825.16	150,876.60	431,876.32
12,000,00	77 570 51	5,000,00	0.700.05	20,000,00	15 007 00	70,000,00
12,000.00		5,000.00				79,800.00
33,024.68	189,016.41	12,253.62	8,072.32	74,271.10	84,101.31	146,026.19
45,024.68	266,586.92	17,253.62	10,834.37	106,271.10	99,798.70	225,826.19
96,891.06	560,446.47	42,717.83	18,101.29	166,839.75	257,891.02	761,273.44
2.40	1.6	0.3	5.6	2.3	5.7	27.6

SOUTHERN	ONTARIO	SYSTEM-	-Continued

Municipality	Iroquois	Jarvis	Kemptville	Kincardine
Population	1,067	645	1,545	2,665
		040	1,040	
ASSETS Lands and buildings	\$ 281.20 100.00 13,319.60		\$ 5,442.46 30,821.08	\$ 6,740.17 7,512.39 70,905.32
Distribution system—underground Line transformers Meters Street light equipment, regular	5,244.80 6,776.01 2,708.13	4,303.13	19,948.67 14,593.31 1,286.90	32,419.69 21,324.17 11,229.34
Street light equipment, ornamental. Miscellaneous construction expense. Steam or hydraulic plant	278.67		798.82	281.60
Old plant				
Total plant	29,283.41	26,880.14	72,891.24	150,412.68
Bank and cash balance. Securities and investments. Accounts receivable. Inventories.	1,987.15 10,000.00 287.67 1,049.62	10,000.00 15.09	6,000.00	11,892.94 25,000.00 847.06 238.09
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expenditure in suspense.		31,176.88	45,045.94	94,390.76
Total assets	50,951.61	72,379.06		282,781.53
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	1,865.43	407.09	1,239.62 1,295.71 466.52	747.32
Total liabilities	2,442.07	407.09	3,001.85	747.32
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	8,343.76 5,371.28			94,390.76 30,063.79 39.62
Total reserves	13,715.04	33,261.05	58,467.65	124,494.17
SURPLUS Debentures paid		10,500.00	19,506.62	60,000.00
Local sinking fund Operating surplus Net frequency standardization expense charged this year		28,210.92	51,682.33	97,540.04
Total surplus	34,794.50	38,710.92	71,188.95	157,540.04
Total liabilities, reserves, and surplus.	50,951.61	72,379.06	132,658.45	282,781.53
Percentage of net debt to total assets less equity in H-E.P.C. systems	5.7	1.0	3.5	0.4

Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark
42,437	2,552	191	48,773	1,760	1,080	775
372,453.33	8,730.87	\$	325,523.39		\$	\$
425,214.13 383,022.04	50,477.49	6,476.45		34,165.68	26,873.00	13,308.51
374,323.09 217,722.25	23,186.72	1,621.50	245,596.86 464,797.91	16.837.98	9,414.44	7,392.12
221,979.42 108,270.63	23,330.76 2,438.96		309,070.16 116,493.83		8,323.04 1,408.43	4,873.70 1,555.77
16,180.17	1,150.43		99,308.80	1,634.10	17.00	332.90
21,864.60						
2,141,029.66	109,315.23	10,024.10	2,897,663.80	72,447.06	46,035.91	27,463.00
45,356.39	496.48	2,002.65	82,067.26		7,226.43	7,263.18
180,000.00 129,601.49	13,500.00 2,099.57	3,000.00 214.86		24,000.00 774.86	1,278.51	6,000.00 20.28
65,638.80	1,412.15		156,719.15			
492,757.84 25,648.75	88,612.53	6,434.72	2,806,346.48 1,516.89		20,598.73	14,038.72
	12,671.64		248.60		4,235.35	
3,080,032.93	228,107.60	21,676.33	6,316,532.20	144,188.54	79,374.93	54,785.18
	6 505 42		227 900 00		27 510 72	
160,788.91	6,505.42	177.10	227,800.00 159,336.59	82.04	27,519.73 205.19	240.02
12,569.71	2,604.75		12,396.57	569.53	358.03	130.00
173,358.62	9,110.17	177.10	399,533.16	651.57	28,082.95	370.02
492,757.84	88,612.53	6,434.72	2,806,346.48	32,424.87	20,598.73	14,038.72
587,045.23 100,000.00	35,681.29 388.66	4,252.54	554,120.90 6.403.04		9,297.50	3,606.05
1,179,803.07	124,682.48			51,897.60	29,913.08	17,644.77
		10,007.20	0,000,070.42		23,313.00	11,011.77
274,339.08	26,994.58	5,765.89	759,350.00	33,500.00	4,980.27	7,316.57
1,452,532.16	67,320.37	4,846.08	1,790,778.62	58,139.37	16,398.63	29,453.82
1,726,871.24	94,314.95	10,611.97	2,550,128.62	91,639.37	21,378.90	36,770.39
3,080,032.93	228,107.60	21,676.33	6,316,532.20	144,188.54	79,374.93	54,785.18
6.7	6.5	1.2	11.3	0.6	47.8	9.1

Municipality	Lancaster	La Salle	Leaming-	Lindsay	Listowel
· ·			ton		
Population	568		7,541	9,504	3,443
Assets Lands and buildingsSubstation equipment		\$ 1,210.68	8,288.84	\$ 20,904.25 5,386.07	\$ 1,459.49 3,848.00
Distribution system—overhead Distribution system—underground. Line transformers Meters	9,308.09 2,227.75 2,882.48	45,112.59 17,143.64 13,250.35	92,278.86 38,287.68 50,938.60 48,220.06	156,693.52 24,181.53 75,352.68 65,838.19	76,880.59 7,090.76 39,217.51 27,299.21
Street light equipment, regular Street light equipment, ornamental Miscellaneous construction expense	650.65	1,823.97	4,492.39	15,125.67	6,084.31
Steam or hydraulic plant					
Total plant	15,167.26	79,301.68	281,229.78	382,288.51	167,890.05
Bank and cash balance Securities and investments Accounts receivable Inventories	712.54	1,588.64	2,000.00 4,339.62	15,000.00 1,800.06	722.44
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	11,961.92	33,619.93 13.60	208,682.28	250,927.23	172,392.3 146.83
ture in suspense		26.50	10.00		203.10
Total assets	34,085.32	116,237.18	527,289.71	668,906.39	361,012.7
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	135.75	11,449.87	12,064.71	1,074.03 3,450.31	
Other liabilities	157.86	1,122.02	4,005.56		
Total liabilities	293.61	12,571.89	16,070.27	10,691.47	3,106.8
RESERVES For equity in H-E.P.C. systems. For depreciation Other reserves.	11,961.92 5,635.36	33,619.93 16,957.59 159.26	208,682.28 70,849.98 216.75	65,333.38	
Total reserves			279,749.01		
Surplus Debentures paid	8,916.82	15,500.00	48,000.00	130,000.00	43,189.89
Local sinking fund Operating surplus Net frequency standardization expense charged this year	7,277.61		183,470.43	211,954 31	
Total surplus			231,470.43		
Total liabilities, reserves, and surplus	34,085.32	116,237.18	527,289.71	668,906.39	361,012.7
Percentage of net debt to total assets less equity in H-E.P.C. systems		15.2	0.5	2.6	1.6

						* **
London	London	Long	Lucan	Lucknow	Lynden	Madoc
95,612	Twp. (V.A.) 3,200	Branch 8,520	875	857	434	1,291
	3,200	0,520			404	
\$	\$	\$	\$	\$	\$ 241. 1 8	\$
528,220.10 1,609,508.44			375.45			100.00
1,098,412.75 922,343.93		100,394.22	17,317.90	27,100.99	8,083.58	36,014.18
840,103.42	18.929.03	65,036.46	10,783.58	15,808.78	5,068.68	13,016.04
625,208.33 168,471.54		41,773.62 22,783.82	6,364.72 5,034.81	8,418.35 3,941.33	3,831.80 695.10	9,967.83 1,792.37
340,720.62	74.65		922.18	404.17		493.10
6,132,989.13	77,851.01	229,988.12	40,798.64	55,673.62	17,920.34	61,383.52
				· ·		
15,651.10 302,500.00				6,449.58 22,000.00		
387,067.22 356,272.83	611.56	31,962.72	75.50	710.58	290.24	739 12 4,241 92
4,944,651.26	50,300.62	88,606.49	36,172.80	44,921.08	24 570 17	20,788.28
161,601.05				44,321.00	24,019.11.	
33,624.42	10,698.70	1,045.00	271.37			
12,334,357.01	144,543.87	356,849.40	85,423:43	129,754.86	46,910.94	93,322.45
650,000.00						1
96,653.52	16,947.03		469.87	1,311.16	172.15	1,035.57
453,932.86 29,102.02	529.00	4,247.07	597.00		21.82	533.84
1,229,688.40	17,476.03	. 4,247.07	1,066.87	1,311.16	193.97	1,569.41
1.044.051.00	/F0.000.00	. 00.000.40	00.150.00	44.001.00	0.4 550 15	00.700.00
4,944,651.26 2,028,895.39	19,942.86	34,459.42	11,995.48	4,592.60	5,163.76	
228,940.33	3.82	586.06		490.75		
7,202,486.98	70,247.30	123,651.97	48,168.28	50,004.43	29,742.93	32,763.72
1,581,900.00	19,000.00	40,304.60	11,213.62	17,614.08	4,495.00	14,000.00
2,522,697.38	37,820.54	188,645.76	24,974.66	60,825.19	12,479.04	44,989 32
202,415.75						
3,902,181.63	56,820.54	228,950.36	36,188.28	78,439.27	16,974.04	58,989.32
12,334,357.01	144,543.87	356,849.40	85,423.43	129,754.86	46,910.94	93,322.45
16.6	18.5	1.6	2.17	1.5	0.9	2.2

Municipality		Markdale	Markham	Marmora	Martin-
Population	awan 221	982	1,715	1,117	town 125
Assets Lands and buildings		\$	\$	\$	\$ 126.15
Substation equipment	10,752.55		35,124.11	17,140.51	3,930.41
Line transformers	2,257.60 1,343.17 738.62	8,687.56	14,108.26	6,327.12	1,571.06
Street light equipment, ornamenta Miscellaneous construction expense Steam or hydraulic plantOld plant	566.30	340.00			
Total plant					8,187.34
Bank and cash balance	11,415.65 100.00 120.55	6,186.42 147.34 51.76	14,000.00 232.52	2,145.10 8,000.00 1,688.16	3,526.37
Equity in H-E.P.C. systems Other assets. Frequency standardization expenditure in suspense		22,026.04	43,073.70	13,509.98	4,616.47
Total assets	30,938.09	71,401.66	130,506.53	61,150.85	19,097.57
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	149.70	107.00	1,308.91		180.85
Total liabilities	28,349.70	107.00	1,443.91	205.00	185.85
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	2,289.75	22,026.04 4,517.49	43,073.70 8,110.61	13,509.98 20,894.43	4,616.47 2,298.02 81.02
Total reserves	2,289.75	26,543.53	51,184.31	34,404.41	6,995.51
SURPLUS Debentures paid. Local sinking fund. Operating surplus.		6,370.29	11,373.63	15,091.58	5,346.73
Operating surplus Net frequency standardization expense charged this year			70,989.26	11,449.86	
Total surplus	298.64	44,751.13	77,878.31	26,541.44	11,916.21
Total liabilities, reserves, and surplus.	30,938.09	71,401.66	130,506.53	61,150.85	19,097.57
Percentage of net debt to total assets, less equity in H-E.P.C. systems	91.6	0.2	1.7	0.4	1.3

Utilities as at December 31, 1951

Maxville	Meaford	Merlin	Merrickville	Merritton	Midland	Mildmay
776	3,169	635	950	4,783	7,257	850
\$ 407.79 14,671.79	\$ 1,144.18 2,593.47 51,791.33			\$ 52,286.15 105,902.94 71,523.31	\$ 26,727.00 155,316.99 142,370.63	\$9,938.90
6,976.25 4,858.97 2,428.63	27,104.06 25,055.35 12,026.22	5,810.18 4,374.92 1,123.54	6,871.27 5,069.07 581.34	33,398.79 29,612.64 8,666.41	54,258.03 59,206.90 23,093.40	10,561.10 5,662.90 1,917.57
428.34	3,884.64	223.10	596.42	5,036.85	10,542.07	911.31
						849.00
29,771.77	123,599.25	41,093.66	29,630.87	306,427.09	471,515,02	29,840.78
1,817.39 4,000.00 595.97	22,058.09 25,000.00 769.51 867.19	3,298.38 1,028.41 493.79	5,801.32 4,115.25	72,489.82 57,000.00 7,312.20 12,884.63	8,693.80 166,000.00 5,152.44 14,326.45	4,343.06 6,500.00 168.41
19,391.32	72,567.18 388.09	22,141.86	295.62	480,182.61 111.35	445,440.41 3,956.29	10,453.99
		5.00		1,450.00		
55,576.45	245,249.31	68,061.10	39,843.06	937,857.70	1,115,084.41	51,306.24
2,147.31 112.94	1,259.01	426.76	24,100.00 2,870.38 185.00	380.41	71,318.05	1,032.35 437.20 468.43
2,260.25		521.76		1,717.00	73,059.78	1,937.98
19,391.32 4,365.16 337.62	72,567.18 20,651.66 15.42	22,141.86 9,126.31 23.40	295.62 2,809.25	480,182.61 60,066.63	445,440.41 241,395.76 1,302.06	10,453.99 1,714.72
24,094.10	93,234.26	31,291.57	3,104.87	540,249.24	688,138.23	12,168.71
13,642.40	47,724.76	13,122.36	900.00	32,186.21	111,944.99	11,271.15
15,579.70	101,209.05	23,125.41	8,682.81	363,705.25	241,941.41	25,928.40
29,222.10	148,933.81	36,247.77	9,582.81	395,891.46	353,886.40	37,199.55
55,576.45	245,249.31	68,061.10	39,843.06	937,857.70	1,115,084.41	51,306.24
6.2	1.8	1.1	68.6	0.4	10.9	4.7

		- 1			
Municipality	Millbrook	Milton	Milverton	Mimico	Mitchell
Population	739	2,460	1,062	11,503	1,951
Assets Lands and buildings Substation equipment Distribution system—overhead Distribution system—underground.		\$ 17,085.21 47,949.60 46,962.43		\$ 105,567.85 78,998.08 121,762.32	\$ 27,173.57 35,695.82 41,835.70
Line transformers Meters Street light equipment, regular Street light equipment, ornamental	5,132.94 4,089.57 2,355.54	21,151.50	9,186.04	50,936.74	28,440.71 18,717.51 7,838.75
Miscellaneous construction expense Steam or hydraulic plantOld plant		4,489.59		14,696.16	7,669.49
Total plant	24,012.74	186,566.41	46,464.67	461,651.52	167,371.55
Bank and cash balance	4,000.00 219.96	4,020.59	. 404 00	2,656.44	17,121.77
Sinking fund on local debentures. Equity in H-E.P.C. systems Other assets. Frequency standardization expendi-	091.00	201,731.33	80,947.97	298,400 .83 976 .22	94,752.39
ture in suspense		2,024.28	6.00	15,091.87	7,994.81
Total assets	38,943.66	396,864.53	132,395.90	919,007.95	313,101.18
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	10	101 42	782.74 2,980.98		5,672.12
Total liabilities			3,763.72	136,677.40	30,979.12
RESERVES For equity in H-E.P.C. systems. For depreciation. Other reserves.	5,243.89	201,731.33 35,488.18 136.82	9,912.30	298,400.83 133,725.34 421.80	47,538.34
Total reserves	10,335.36	237,356.33	90,860.27	432,547.97	143,643.22
SURPLUS Debentures paid Local sinking fund	9,000.00	33,046.41	1	127,000.00	
Operating surplus Net frequency standardization expense charged this year		109,970.24		222,782.58	
Total surplus				349,782.58	
Total liabilities, reserves, and surplus	. 38,943.66	396,864.53	132,395.90	919,007.95	313,101.18
Percentage of net debt to total assets less equity in H-E.P.C. systems	0.4	8.5	7.3	22.6	14.2

Moorefield	Morrisburg	Mount	Mount	Napanee	Neustadt	Newboro
278	1,876	Brydges 637	Forest 2,170	3,803	462	309
\$	\$ 5,682.38	\$	\$ 3,726.00	\$ 25,014.83	\$	\$
5,534.60	4,499.48 19,869.43	13,305.06	686.75 31,661.88	2,358.27 71,154.90	12,719.71	11,647.21
3,203.69 2,131.14 295.88	12,863.91	6,204.84 4,218.08 1,844.04	17,708.69 16,320.64 5,273.56	29,093.24 29,359.20 7,106.01	7,566.37 3,807.05 1,900.76	3,031.04 2,530.00 1,003.39
61.27	851.18		3,304.48	10,603.94	372.48	1,345.17
11,226.58	64,608.90	25,572.02	78,682.00	174,690.39	26,366.37	19,556.81
1,860.94 2,500.00 236.54	16,000.00	956.52 2,500.00 1,070.18 1,317.14	10,076.82 20,000.00 550.33 253.02	100.00 12,800.00 31,400.07 18,412.93	2,759.93 14,700.00 93.36	4,142.85
12,872.34	12,806.24	15,599.59	71,809.04	102,097.04	11,792.68	320.34
46.50		4,705.00)			
28,742.90		51,720.45	181,371.21	339,500.43	55,712.34	24,039.23
191.64	1,636.90	347.25	328.81	432.03	226.11	15,715.68 543.44
7.22	2,082.39	155.10	150.00	9,554.29 2,103.97	298.85	88.00
198.86	3,719.29	502.35	478.81	12,090.29	524.96	16,347.12
12,872.34 3,798.90		15,599.59 7,337.06 94.03	26,006.01		11,792.68 10,273.10	320.34 1,099.70
16,671.24	15,866.51	23,030.68	97,815.05	143,371.03	22,065.78	1,420.04
4,500.00	31,636.00	4,220.00	25.351.63	70,000.00	15,504.12	1,284.32
7,372.80	55,948.51	23,967.42	57,725.72	114,039.11	17,617.48	4,987.75
11,872.80	87,584.51	28,187.42	83,077.35	184,039.11	33,121.60	6,272.07
28,742.90	107,170.31	51,720.45	181,371.21	339,500.43	55,712.34	24,039.23
1.3	3.9	1.4	0.4	5.1	1.2	68.9

Municipality	Newburgh	Newbury	Newcastle	New Hamburg	Newmarket
Population	453	289	895	1,726	5,244
Assets	\$	\$	\$	\$	\$
Lands and buildingsSubstation equipmentDistribution system—overhead			107.37	1,319.80	4,000.00 5.000,00
Distribution system—underground.		(
Line transformers Meters	4,903.05 3,731.47	2,966.14 1,936.77	6,650.57	14,589.02	44,466.39
Street light equipment, regular Street light equipment, ornamental	1,018.67	894.16	2,250.72	2,623.47	19,615.62
Miscellaneous construction expense Steam or hydraulic plant	101.74		990.20	2,230.77	6,378.10
Old plant					
Total plant	26,748.83	13,634.22	39,456.27	72,158.02	232,311.67
Bank and cash balanceSecurities and investmentsAccounts receivable	1,248.16	3,472.58 6,500.00		3,457.71 9,000.00	25.00
Inventories			207.84		13,503.22
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets. Frequency standardization expendi-	377 91	8 814 10	9,738.23		35,444.39
Other assets				15.32	
ture in suspense		33.00		10.00	
Total assets	28,462.00	33,126.82	63,566 . 15	187,328.63	281,412.71
LIABILITIES Debenture balance	12,500.00				57,878.34
Accounts payable	176.81	185.75		340.00	
Bank overdraftOther liabilities	74.00	52.84		161.34	1,728.42
Total liabilities	12,750.81	238.59		501.34	74,741.76
RESERVES	277 01	0.014.10	0.729.22	00 412 02	35,444.39
For equity in H-E.P.C. systems	377.91 11,578.02			20,846.40	45,661.60
Other reserves		10,000,00	01.555.54	33.83	
Total reserves	11,955.93	16,283.66	21,577.54	119,293.25	81,698.99
Surplus Debentures paid		9,754.39	14,000.00	17,729.08	7,121.66
Local sinking fundOperating surplus	2,255.26	6,850.18	27,988.61	49,804.96	133,824.38
Net frequency standardization expense charged this year					15,974.08
Total surplus	3,755.26	16,604.57	41,988.61	67,534.04	124,971.96
Total liabilities, reserves, and surplus	28,462.00	33,126.82	63,566.15	187,328.63	281,412.71
Percentage of net debt to total assets less equity in H-E.P.C. systems		0.98	0.0	0.6	30.4

_New	Niagara	Niagara Falls		Norwich	Norwood	Oakville
Toronto 11,072	2,160	22,686	Twp. 80,771	1,380	951	6,691
1						
\$ 64,905.40	\$ 4,463.20	\$ 139,632.47	\$ 113,930.52	\$ 4,697.92	\$	\$ 802.15
	24,212.17	341,086.28	591,432.36	13,913.21	27,254.59	10,213.04
138,681.46 17,198.72	55,506.39	25,952.12	2,046,941.69			131,654.14
105,796.42 61,123.51	34,203.51 21,341.84	252,949.78 168,955.24	984,680.24 577,904.37	12,574.30 12,261.80	7,842.07 8,957.08	71,920.37 61,038.11
22,667.90	5,109.12	157,649.48	156.00	4,745.69	2,141.72	23,949.91
7,832.11	2,864.96	41,172.73	98,287.98	4,200.23	444.15	12,992.68
418,205.52	147,701 . 19	1,441,578.57	4,413,333.16	52,393.15	46,639.61	312,570.40
47,755.41	5,544.80 10,000.00		125,693.28 10.000.00	6,707.56 12,300.00	6,754.18	9,004.11
120,000.00 21,743.00	4,650.16	22,815.69	80,371.20	760.87	1,000.00 2,889.31	5,295.68
13,273.22			93,859.74	5,480.83		27,419.82
1,018,384.22	70,186.85	1,102,901.56 4,145.71	601,157.65 17.43	71,744.89 497.89	14,479.28 52,424.59	16,964.38
1,240.14		776.56	28,019.00			21.64
1,640,601.51	249,689.25	2,807,150.93	5,352,451.46	149,885.19	124,186.97	371,276.03
	0.000.00		0.510.551.05		10,000,00	
280.69	3,600.00 255.97	12,258.01	2,513,571.35 291,422.11	7,912.32	18,000.00 4,623.57	64,986.55
6,785.37	959.65	30,666.46 27,564.01	60,384.56	502.51	522.87	4,090.00
7,066.06	4,815.62	70,488.48	2,865,378.02	8,414.83	23,146.44	69,076.55
1,018,384.22 111,308.06		1,102,901.56 450,322.51	601,157.65 455,262.71	71,744.89 14,408.37	14,479.28 30,860.00	16,964.38 125,183.57
840.73	598.73	1,014.59	10,265.05	408.32		4,709.44
1,130,533.01	108,199.33	1,554,238.66	1,066,685.41	86,561.58	45,339.28	146,857.39
8,000.00	44,907.67	690,243.00	664,450.52	13,756.00	37,100.00	
495,002.44	91,766.63	492,180.79	755,937.51	41,152.78	18,601.25	155,342.09
503,002.44	136,674.30	1,182,423.79	1,420,388.03	54,908.78	55,701.25	155,342.09
1,640,601.51	-					371,276.03
1.1	2.7	4.1	60.7	10.8	21.1	19.5

Municipality	Oil Springs	Omemee	Orange-	Orono	Oshawa
Population	448	750	ville 3,302	719	40,727
ASSETS Lands and buildings. Substation equipment. Distribution system—overhead. Distribution system—underground Line transformers. Meters. Street light equipment, regular	2,461.78 16,994.26 	\$ 200.00 769.83 21,850.07 10,663.34 5,289.87 2,360.33	48,891.25 27,053.41 22,594.82	7,843.37 4,712.73	\$ 187,906.86 407,355.42 655,053.42 194,791.09 291,285.35 255,919.10 143,390.48
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plantOld plant	282.01	354.75	1,348.43		61,553.07
Total plant	42,326.30	41,488.19	125,093.70	28,625.51	2,197,254.79
Bank and cash balance Securities and investments Accounts receivable Inventories Sinking fund on local debentures	6,500.00 31.92 360.09	8,000.00 160.77	50,000.00 1,517.79 300.95	8,000.00 33.04 1,061.59	l í
Equity in H-E.P.C. systems Other assets Frequency standardization expenditure in suspense		6,955.15	97,188.45 800.00	4,643.50	1,309,480.99 498.73
Total assets	102,788.19	59,509.38	284,056.56	44,300.80	3,938,232.22
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	29.94	78.95 173.83	993.00		352,847.72
Total liabilities	59.94	252.78	1,031.16	120.00	385,710.17
RESERVES For equity in H-E.P.C. systems. For depreciation. Other reserves.	45,088.32 16,286.79 85.23	6,955 15 14,327 20			1,309,480.99 381,869.71 77,012.20
Total reserves	61,460.34	21,282.35	134,693.29	10,222.08	1,768,362.90
SURPLUS Debentures paid. Local sinking fund. Operating surplus.	16,721.31	12,000.00	25,594.32 122,737.79		302,622.40
Net frequency standardization expense charged this year	2,283.90	,			
Total surplus	41,267.91	37,974.25	148,332 . 11	33,958.72	1,784,159.15
Total liabilities, reserves, and surplus.	102,788.19	59,509.38	284,056.56	44,300.80	3,938,232.22
Percentage of net debt to total assets, less equity in H-E.P.C. systems	0.1	0.5	0.6	0.3	14.7

			,	,		
Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris	Parkhill
195,067	588	16,898	729	1,570	5,274	975
		_				
2,080,702.99	\$ 738.91	\$ 58,147.00	\$	\$ 	\$ 13,570.15	\$
3,844,825.92 3,000,860.39	12,267.20	99,207.75				29,650.66
808,393.05 1,851,411.89	9,129.33	8,036.78 103,837.56		20,692.97	55.696.90	15,974.20
1,090,820.19 303,194.19	4,500.53 1,941.01	111,372.70	6,110.45	14,441.02	29,124.90 19,482.98	7,675.19 9,096.10
118,262.70	813.56				10,202.45	885.69
1,731,575.65 10,000.00						
14,840,046.97	29,390.54	680,609.55	38,435.78	88,481.93	200.047.22	63,281.84
		()	,	(· ·	,
149,040.91 188,000.00	2,077.24 5,500.00	320.00 77,500.00	4,500.00	20,600.00		16,752.44
542,499.40 650,028.74	137.09 251.00	35,610.49 50,406.76	90.93 260.76		871.29 274.90	274.49
246,700.77 810,495.05	18,353.49	505,755.88	22,932.85	88,279.07	228,328.99	40,369.34
14,239.19		8.46			571.74	
	40.00				1,420.00	241.78
17,441,051.03	55,749.36	1,350,211.14	72,800.95	217,224.44	531,393.65	120,919.89
6,479,261.15		94,500.00			25,000.00	14,400.00
624,725.13	94.30	32,601,53	410.71	287.98	981.89	1,311.12
	86.38	16,279.56 13,404.78	52.42	377.70		438.73
7,103,986.28	180.68	156,785.87	463.13	665.68	25,981.89	16,149.85
810,495.05 3,386,613.98	18,353.49 10,619.43	505,755.88 124,511.59	22,932.85 7,369.28	88,279.07 28,219.01	228,328.99 83,641.94	40,369.34 9,740.04
188,020.54		1,124.05		299.38	39.34	
4,385,129.57	28,972.92	631,391.52	30,302.13	116,797.46	312,010.27	50,109.38
1,500,738.85	4,500.00	113,218.00	13,623.35	27,000.00	92,000.00	15,230.02
246,700.77 4,204,495.56	22,095.76	448,815.75	28,412.34	72,761.30	101,401.49	39,430.64
1,201,133.30	22,035.10	. 410,010.70	20,412.04	72,701.50	101,401.43	00,100.01
5 051 025 10	26 505 70	562 022 75	42 025 60	00.761.30	193.401.49	54.660.66
5,951,935.18	26,595.76	562,033.75	42,035.69	99,761.30		
17,441,051.03	55,749.36	1,350,211.14	72,800.95	217,224.44	531,393.65	120,919.89
42.7	0.5	18.6	0.9	0.5	8.5	20.05

SOUTHERN ONTARIO SYSTEM—	Continued			
Municipality	1	Penetang- uishene 4.964	Perth 4,920	Peter- borough 37,192
	3,223	1,001	2,020	
ASSETS Lands and buildings Substation equipment Distribution system—overhead. Distribution system—underground	22,043.00 62,572.65	\$ 2,288.05 7,161.13 69,788.50	17,288.93	494,194.15
Line transformers. Meters. Street light equipment, regular. Street light equipment, ornamental.	30,268.87 35,956.97 19,884.57	34,494.97 28,285.29 13,084.53	34,208,62	239,038.12
Miscellaneous construction expense Steam or hydraulic plantOld plant	4,622.40 363.515.96		8,954.81	
Total plant	541,217.18	157,148.38	228,024.13	2,273,004.02
Bank and cash balance Securities and investments Accounts receivable Inventories Sinking fund on local debentures.	37,800.00 5,218.75 145.64	3,773.66 55,000.00 1,458.06 230.31	61,000.00 8,436.55	88,962.28 46,867.28
Sinking fund on local debentures. Equity in H-E.P.C. systems. Other assets. Frequency standardization expenditure in suspense.		1,200.00	153,892.51	2,928.92
Total assets				3,257,485.61
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	1.386 06		3,753.39	244,600.00 65,258.33 114,113.67 931.06
Total liabilities				
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	3,885.90 118,680.00	128,978.27 60,848.44 891.36	74,810.98	
Total reserves	122,625.78	190,718.07	235,199.45	1,288,505.23
SURPLUS Debentures paid Local sinking fund	386,786.57	36,982.95	85,045.30	506,010.67
Operating surplus. Net frequency standardization expense charged this year.	95.548.68	118,950.16	160,375.52	1,038,066.65
Total surplus	482,335.25	155,933.11	245,420.82	1,544,077.32
Total liabilities, reserves, and surplus	614,811.18	347,788.68	484,373.66	3,257,485.61
Percentage of net debt to total assets less equity in H-E.P.C. systems	1.6	0.5	1.1	17.6

Utilities as at December 31, 1951

Petrolia	Picton	Plattsville	Point	Port	Port	Port
3,118	4,103	402	Edward 1,787	Colborne 8,300	Credit 3,651	Dalhousie 2,462
\$ 39.017.89	\$ 15,061.79	\$	\$	\$ 30,501.60	\$ 675.00	\$ 6,000.00
5,971.75 71,881.79	52,552.35		46,542.25		89,425.86	47,094.05
49,119.53	33,612.08		18,176.25	58,022.66	45,115.01	29,189.05
25,778.08 10,615.35	33,272.99 11,310.29	3,523.05	16,321.93 6,750.75	44,195.52 6,682.41	27,443.69 8,564.41	20,756.80 2,934.34
9,699.43	1,149.75		2,410.97	11,553.21	3,504.90	5,002.06
212,083.82		, , , , , , , , , , , , , , , , , , ,		,		110,976.30
50.00	10,933.82 3,500.00		7,572.29 13,000.00	4,368.09 105,000.00	5,137.02 1,000.00	748.90
3,377.84 20,058.58	694.28 9,877.33	591.12	5,024.35 6,387.64	200.41 1,695.24	4,067.60 6,257.29	8,329.83 837.85
196,665.10	125,553.99			207,247.95	92,569.45	82,937.10
13.32				164.80		
		35.00			306.15	
432,248.66	361,786.27	48,082.92	273,266.50	594,151.32	284,066.38	203,829.98
		1			0.4.770.04	14.051.00
7,595.45	1,410.94	179.79	1,897.50		34,770.84 7,938.94	14,051.08 1,122.08
4,952.17 1,622.56	5,790.85		732.19	4,745.59	1,516.40	1,881.78
14,170.18	7,201.79	179.79	2,629.69	4,745.59	44,226.18	17,054.94
196,665 . 10 54,901 . 44	125,553.99 53,818.16	20,682.03 1,757.59	151,080.07 19,901.98	207,247.95 71,389.24	92,569.45 33,997.06	82,937.10 13,157.29
92.34			58.64	222.62	550.00	214.16
251,658.88	179,372 . 15	22,439.62	171,040.69	278,859.81	127,116.51	96,308.55
50,000.00	3.182.32	5,237.00	17,000.00	146,000.00	19,729.16	25,448.92
124,078.53	172,030.01	20,226.51	87,438.99	164,545.92	92,994.53	65,017.57
7,658.93			4,842,87	30 1,0 10 10 2	22,001.00	33,321.101
166,419.60	175,212.33	25,463.51	99.596.12	310,545.92	112,723.69	90,466,49
432,248.66	361,786.27	48,082.92	273,266.50	594,151.32	284,066.38	203,829.98
432,240.00	301,700.27	40,002.92	213,200.50	354,131.32	204,000.30	200,029.90
6.0	0.3	0.7	2.2	1.2	23.1	14.1

Municipality	Port Dover	Port Elgin	Port Hope	Port	Port Perry
Population	2,385	1,610	6,327	McNicoll 853	1,725
Assets Lands and buildings Substation equipment Distribution system—overhead	60,474.89		27,774.64		\$
Distribution system—underground Line transformers. Meters. Street light equipment, regular Street light equipment, ornamental	33,100.65 22,191.02 3,851.55	21,767.40 16,014.54	57,832.00 56,459.09	4,433.78 6,070.16	12,996.95 10,525.79
Miscellaneous construction expense Steam or hydraulic plantOld plant	1,283.01		7,678.71	219.94	99.94
Total plant	121,149.87	85,084.71	277,528.27	31,479.69	64,642.60
Bank and cash balance	4,034.58	4,500.00 462.62	4,845.04	1,000.00 580.47	16,000.00 428.25
Equity in H-E.P.C. systems Other assets. Frequency standardization expenditure in suspense.	144.50		163,891.49	· · · · · · · · · · · ·	39,268.68 2,085.60
Total assets	186,470.41	135,999.24	478,974.31	47,537.59	129,604.46
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	4,325.71	738.54	15,000.00 1,233.34 14,834.52	328.58	
Total liabilities	5,243.01	738.54	31,067.86	3,044.68	1,672.01
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	59,508.45 34,068.14			12,893.50 5,001.43	39,268.68 6,172.85
Total reserves	93,576.59	51,146.09	219,623.69	17,894.93	45,441.53
SURPLUS Debentures paid	29,000.00	l î	78,630.64 149,652.12		
Total surplus		84.114.61	228,282.76	26,597.98	82,490.92
Total liabilities, reserves, and surplus.					129,604.46
Percentage of net debt to total assets, less equity in H-E.P.C. systems		0.7	9.9	8.8	1.9

Utilities as at December 31, 1951

1						
Port Rowan		Prescott	Preston	Priceville	Princeton	Queenston
783	Stanley 1,205	3,449	7,518	153	334	332
\$	\$ 1,574.60	· \$ 2,761.54	\$ 44,495.77 125,478.63	\$ 68.00	\$	\$
18,373.00	52,958.29	64,523.42		10,183.38	5,393.21	11,651.88
8,391.31 4,603.13 1,243.62	29,308.00 20,329.41 3,505.52	27,058.08	56,453.77	2,706.93 949.86 854.96	5,331.80 2,840.27 525.42	4,509.75 2,947.85 612.95
494.14	910.17	6,495.62	8,154.87			87.89
33,105.20	108,585.99	140,775.75	458,951.84	14,763.13	14,090.70	19,810.32
242.61	1,893.73		18,481.74	2,127.50	6,045.45	1,574.08
948.96	13,000.00 1,164.43 255.32	1,650.99	14,026.47 28,309.49	6.94	7,000.00 86.38	6,500 . 00 294 . 83
15,376.78 10.00	87,600.10	110,435.06	513,771.66 1,701.91	1,992.53	20,424.22	14,123.19
84.18	10.00		27,940.65		24.00	• • • • • • • • • • •
49,767.73	212,509.57	279,696.51	1,063,183.7	18,890.10	47,670.75	42,302.42
1,778.18	1,787.74	11,000.00 5,072.17	175,000.00 21,947.85	5,625.00 1,527.13	179.65	100.00
290.00	293.00	854.40	2,463.24			85.00
2,068.18	2,080.74	16,926.57	199,411.09	7,152.13	179.65	185.00
15,376.78 4,267.31	87,600 . 10 25,546 . 01 40 . 16	57,560.98		1,992.53 1,836.34	20,424 . 22 4,779 . 28	14,123 . 19 4,802 . 12
19,644.09	113,186.27	167,996.04	647,162.22	3,828.87	25,203.50	18,925.31
11,000.00	18,950.00	13,170.99	152,800.00	6,541.10	3,550.00	9,500.00
17,055.46	78,292.56	81,602.91	63,810.45	1,368.00	18,737.60	13,692.11
	,					
28,055.46	97,242.56	94,773.90	216,610.45	7,909.10	22,287.60	23,192.11
49,767.73	212,509.57	279,696.51	1,063,183.76	18,890.10	47,670.75	42,302.42
6.0	1.7	10.0	36.3	42.3	0.7	0.7

Municipality	Renfrew	Richmond	Richmond Hill	Ridgetown	Ripley
Population	7,368	570	2,228	2,275	454
Assets Lands and buildings Substation equipment Distribution system—overhead	34,619.88 81,585.46		\$ 600.00 31,079.03		
Distribution system—underground Line transformers Meters Street light equipment, regular Street light equipment, ornamental	68,375.55 49,536.30 37,694.75	3,190.02 305.43	17,272.66 3,995.42	8,184.68	3,919.70 1,100.38
Miscellaneous construction expense Steam or hydraulic plant Old plant	496,757.35		93.00		
Total plant	788,475.57	17,562.33	85,958.72	94,167.80	26,958.31
Bank and cash balance Securities and investments	39,341.75		3,516.32	3,611.03	3,295.02
Accounts receivable	14,590.50	370.29	467.28	437 . 44 511 . 79	33.15
Equity in H-E.P.C. systems Other assets	13,632.48 8,590.28	8,167.32	48,298.08	85,643.74	17,171.79
Frequency standardization expenditure in suspense				471.61	
Total assets	1,034,442.64	26,099.94	138,240.40	184,843.41	47,458.27
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	10,941.14	1,392.33 31.91 151.87			569.83
Total liabilities	238,739.11	1,576.11	14,557.97	3,637.65	569.83
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	13,632.48 130,785.36 3,270.67	8,167.32 3,717.44	48,298.08 4,695.14 112.37	85,643.74 17,132.63 197.75	17,171.79 4,144.60
Total reserves	147,688.51	11,884.76	53,105.59	102,974.12	21,316.39
SURPLUS Debentures paidLocal sinking fund				19,455.99	
Operating surplus	164,576.26			58,775.65	12,827.56
Total surplus			70,576.84	78,231.64	25,572.05
Total liabilities, reserves, and surplus.			138,240.40		47,458.27
Percentage of net debt to total assets less equity in H-E.P.C. systems	23.4	8.7	16.2	3.7	1.9

Riverside	Rockwood	Rodney	Rosseau	Russell	St. Catharines	St. Clair Beach
9,535	683	913	197	475	38,146	528
\$ 12,861.37 7,859.98	\$	\$	\$	\$	\$ 31,662.35 366,813.72	\$
157,897.95	12,689.21	14,527.23	9,009.51	14,932.88	547,648.81	15,430.83
57,750.13 64,576.79	5,212.77 5,656.67	8,376.63 7,584.46	2,743.16 1,478.53	4,518.40 3,316.43	415,367.57 278,790.75	6,391.09 4,220.31
	1,376.34	4,068.11	623.60	1,539.49	39,230.83	1,485.48
15,422.98		68.79	1,067.16	40.27	36,249.75	
					4,731.00	
316,369.20	24,934.99	34,625.22	14,921.96	24,347.47	1,720,494.78	27,527.71
2,244.75	3,088.83	3,675.66	2,497.05		200.00	250.90
10,274.42	3,300.00 3.47	8,200.00 769.96	1,500.00 113.80		150,000.00 107,930.03	3,000.00 632.89
13,451.16	88.83				76,710.83	
173,588.80 55.00	22,480.53 6.67	27,664.73	8,384.60	12,090.90	1,577,787.77 438.99	14,415.16
		10.00				
515,983.33	53,903.32	74,945.57	27,417.41	41,324.42	3,633,562.40	45,826.66
45.000.00			0.0=7.05	3		
45,000.00 3,542.83	94.14	902.75	2,077.97 869.66			50.00
3,046.87	228.72	365.00		115.00	4,377.32 23,757.00	125.00
51,589.70	322.86	1,267.75	2,947.63	981.08	225,206.03	175.00
150 500 00	00 400 50	05.004.50	0.004.00	10.000.00		
173,588.80 69,445.75	22,480.53 9,764.18		8,384.60 4,359.55	12,090.90 1,617.88		14,415.16 8,016.18
135.37		73.15	68.74		3,190.38	34.74
243,169.92	32,244.71	38,265.22	12,812.89	13,708.78	1,995,421.06	22,466.08
82,500.00	4,500.00	8,500.00	10,922.03	8,808.12	302,022.91	6,341.45
138,723.71	16,835.75	26,912.60	734.86	17.826.44	1,118,931.82	16,844.13
100,720.71	10,000.70	20,912.00	734.00	17,020.44	8,019.42	10,044.13
221,223.71	21,335.75	35,412.60	11,656.89	26,634.56	1,412,935.31	23,185.58
515,983.33	53,903.32	74,945.57	27,417.41	41,324.42	3,633,562.40	45,826.66
15.1	1.0	2.7	15.5	3.4	11.0	0.5

Municipality	St. George	St. Jacobs	St. Marys	St. Thomas
Population	631	705	4,112	18,775
Assets Lands and buildings. Substation equipment. Distribution system—overhead. Line transformers.	8,499.16 8,050.69	8,554.47	\$ 21,373.50 42,897.82 94,129.22 54,970.24	\$ 150,380.86 173,448.15 173,948.89 101,034.54 111,695.60
Meters Street light equipment, regular Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plant Old plant	• • • • • • • • • • • • • • • • • • • •	49.00	36,454.04 8,626.78 27,283.98	95,862.06 37,951.09 9,174.72
Total plant			285,735.58	
Bank and cash balance	9,438.78 6,000.00 1,082.83		8,563.65 3,268.08 10,382.21	300.00 30,000.00 32,153.05 46,873.94
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	27,990.69	35,162.67 10.00	259,804.56 797.59	992,145.64 575.30
ture in suspense			30,368.03	30,610.82
Total assets	68,419.93	75,535.34	598,919.70	1,986,154.66
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	39.10	399.66	76,978.08 138.43 1,564.00	21,876.46
Total liabilities	379.10	399.66	78,680.51	48,832.80
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	1,996.91		259,804.56 83,273.45 701.02	289,164.05
Total reserves	29,987.60	41,052.34	343,779.03	1,281,645.79
SURPLUS Debentures paid Local sinking fund. Operating surplus Net frequency standardization expense charged this year	1		117,282.30 59,177.86	516,732.00
			176,460.16	655,676.07
Total surplus Total liabilities, reserves, and surplus			598,919.70	
Percentage of net debt to total assets less equity in H-E.P.C. systems		1.0	23.2	0.5

Sarnia	Scarborough	Seaforth	Shelburne	Simcoe	Smiths Falls
33,976	Twp. 56,161	2,121	1,274	7,085	8,339
\$ 205,534.71 251,695.93 340,508.11 239,171.20 194,970.78	\$ 39,869.27 72,676.86 893,227.58 443,257.03 312,257.52	\$ 1,836.39 23,939.30 47,188.04 29,620.81		\$ 11,905.59 76,089.92 95,626.16 1,412.24 80,993.46	\$ 63,828.34 52,804.01 130,564.01
193,550.99 45,064.74	312,257.52 87,642.87	16,622.69 6,694.37	12,165.34 9,237.44	59,863.95 38,481.51	56,931.19 29,139.71
108,580.07	46,055.87	2,942.38	239.38	12,310.59	6,453.90
†380,924.00					
1,960,000.53	1,894,987.00	128,843.98	69,865.89	376,683.42	405,492.81
13,853.42 15,000.00 64,804.81 97,290.99	125,497.79 50,875.34 163,710.33	3,960.51 9,000.00 5,317.48 719.26	7,500.00 357.70 1.53	30.00 5,870.14 23,983.86	671.73 17,000.00 2,533.54 9,974.34
1,289,228.06 21,984.40	549,015.28 400.00	123,970.50 159.20	39,309.01	245,458.69 577.80	231,972.86
48,225.96		17,482.21		2,079.00	
3,510,388.17	2,784,485.74	289,453.14	117,034.13	654,682.91	667,645.28
371,000.00 345,611.61 116,031.20 21,053.42	851,000.00 121,462.49 177,851.51	44,626.51 5,444.30 753.78	144.84 1,636.06 81.00	4,074.47 7,510.88 3,404.42	6,252.77
853,696.23	1,150,314.00	50,824.59	1,861.90	14,989.77	6,752.12
1,289,228.06 355,080.84 17,466.25	549,015.28 241,386.88 24,161.63	123,970.50 18,154.42 221.31	39,309.01 21,644.34	245,458.69 82,560.37	231,972.86 103,477.14 214.02
1,661,775.15	814,563.79	142,346.23	60,953.35	328,019.06	335,664.02
367,000.00	314,568.27	30,373.49	16,991.04	75,434.90	122,787.33
659,633.91	638,804.37	65,908.83	37,227.84	236,239.18	202,441.81
31,717 . 12	133,764.69				
994,916.79	. 819,607.95	96,282.32	54,218.88	311,674.08	325,229.14
3,510,388.17	2,784,485.74	289,453.14	117,034.13	654,682.91	667,645.28
38.4	52.0	30.7	2.4	3.7	1.5
+ Annayad	plant undistrib	utod			

[†] Annexed plant undistributed.

Municipality	Smithville	Southamp-	Springfield	Stamford
Population	658	ton 1,619	517	Twp. 18,225
Assets Lands and buildings		\$ 25.00	\$	\$ 34,351.96
Substation equipment Distribution system—overhead Distribution system—underground	16,265.23	47,159.73	14,698.82	125,846.94 347,361.48
Line transformers	6,410.81 6,412.56 1,871.10	28,451.12 16,460.30 7,587.44	6,542.55 3,224.82 1,512.09	178,516.15 116,280.69 27,225.16
Street light equipment, ornamental. Miscellaneous construction expense. Steam or hydraulic plant	1,949.90	748.89		21,495.85
Old plant				
Total plant	32,909.60	100,432.48	26,152.48	851,078.23
Bank and cash balanceSecurities and investmentsAccounts receivable	5,078.86 12,500.00 818.39		3,449.56 1,500.00 105.10	2,588.65 6,000.00 41,475.82
Inventories	715.92		17,384.44	38,142.44
Other assetsFrequency standardization expendi-				1,538.08
ture in suspense Total assets		138,341.18	36.76 48,628.34	1,975.00
LIABILITIES	00,300.74	130,341.10	40,020.34	1,101,030.07
Debenture balance	55.50			251,430.34 54,652.30 11,055.51
Other liabilities	35.00	154.17	15.00	8,318.65
Total liabilities	90.50	6,339.32	162.44	325,456.80
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves		35,960 . 57 5,954 . 88		218,232.65 166,549.85 3,511.31
Total reserves	17,067.95	41,915.45	22,886.90	388,293.81
Surplus Debentures paid	15,000.00	30,522.93	9,500.00	263,847.83
Local sinking fund Operating surplus Net frequency standardization ex-	28,822.29		16,079.00	183,432.43
pense charged this year			25 570 00	447 200 26
Total surplus Total liabilities, reserves, and surplus	43,822.29	90,086.41	25,579.00 48,628.34	$\frac{447,280.26}{1,161,030.87}$
Percentage of net debt to total assets,		100,041.10	40,020.34	1,101,000.07
less equity in H-E.P.C. systems		6.2	0.5	34.5

Utilities as at December 31, 1951

Stayner	Stirling	Stoney Creek	Stouffville	Stratford	Strathroy
1,241	1,157	1,805	1,701	18,878	3,688
\$ 200.00 22,797.33	\$ 9,266.88 16,790.84 12,094.33	\$ 39,428.40	\$23,536.38	\$ 141,941.92 249,295.32 173,148.07	\$ 9,373.61 50,924.89 72,081.21
13,890.46 12,206.11 2,820.41	9,655.06 9,264.04 3,559.79	30,800.38 17,756.37 4,713.38	19,186.83 10,028.80 2,427.90	22,971.15 157,243.93 123,029.66 27,840.67	50,061.40 26,207.15 8,809.38
742.63	688.84	222.64	416.39	44,788.62	1,211.16
		• • • • • • • • • • • • • • • • • • • •			
52,656.94	61,319.78	92,921.17	55,596.30	940,259.34	218,668.80
7,279.42 11,000.00 698.51 35,241.34	12,596.47 1,505.35 1,381.56 21,685.93	2,728.15 454.35 5,514.66	213.98 4,000.00 131.35 39,383.81	33,064.97 337,000.00 33,788.69 47,278.66 42,375.49 1,141,474.08	4,109.03 1,376.88 637.94 183,483.80
				3,298.17	840.18
• • • • • • • • • • • • • • • • • • • •				10.00	21,412.86
106,876.21	98,489.09	101,618.33	99,325.44	2,578,549.40	430,529.49
443.06	46.04	35,606.42 14,099.53 615.00	804.66	50,000.00	32.67
856.24	457.97	50,320.95	804.66	57,497.34	1,624.26
35,241.34 16,415.14 25.20	21,685.93 12,692.22	5,514.66 4,741.03	39,383.81 2,718.95 50.96	1,141,474.08 497,090.05 3,368.08	183,483.80 64,961.43 129.30
51,681.68	34,378.15	10,255.69	42,153.72	1,641,932.21	248,574.53
9,557.26 44,781.03	10,000.00 53,652.97	4,393.58	14,673 .90 46,708 .73	405,800.00 42,375.49 430,944.36	53,888.85
• • • • • • • • • • • • • • • • • • • •			5,015.57		
54,338.29	63,652.97	41,041.69	56,367.06	879,119.85	180,330.70
106,876.21	98,489.09	101,618.33	99,325.44	2,578,549.40	430,529.49
1.2	0.6	52.4	1.3	4.0	0.7

Municipality	Streetsville	Sunderland	Sutton	Swansea
Population	1,100	521	1,235	8,080
Assets Lands and buildings Substation equipment Distribution system—overhead	\$ 12,226.15 1,172.04 15,785.48		\$ 30,824.79	\$ 6,383.14 74,731.61 140,399.67
Distribution system—underground Line transformers. Meters. Street light equipment, regular Street light equipment, ornamental.	14,574.64 9,857.33 1,845.62	4,377.04 1,087.23	15,785.18	47,786.27
Miscellaneous construction expense. Steam or hydraulic plantOld plant			1,422.79	
Total plant	66,280.54	20,013.26	75,161.54	397,185.14
Bank and cash balance Securities and investments	6,068.79		3,821.05 7,000.00	84,788.73
Accounts receivable	1,572.25	466.89	3,801.89	4,741.75 533.32
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expendi-	14,920.73 75.16		39,236.60	208,409.73 217.84
ture in suspense	75.00			20,633.91
Total assets	88,992.47	44,881.21	129,021.08	716,510.42
LIABILITIES Debenture balance	522.21	150.06	4,006.05	175,773.63 4,167.49
Other liabilities.	410.65	15.00	15.00	5,887.20
Total liabilities	932.86	165.06	4,021.05	185,828.32
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	14,920.73 9,823.92 182.00	20,114.64 5,165.23 52.28	39,236.60 15,078.22 148.87	208,409.73 64,900.10 345.59
Total reserves	24,926.65	25,332.15	54,463.69	273,655.42
SURPLUS Debentures paidLocal sinking fund	17,545.08	4,627.78	25,325.00	76,893.33
Operating surplus	45,587.88	14,756.22	50,151.19	180,133.35
Net frequency standardization expense charged this year			4,939.85	
Total surplus	63,132.96	19,384.00	70,536.34	257,026.68
Total liabilities, reserves, and surplus	88,992.47	44,881.21	129,021.08	716,510.42
Percentage of net debt to total assets, less equity in H-E.P.C. systems	1.3	0.7	4.5	38.1

		1				
Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville	Thedford
490	1,096	3,497	854	546	950	592
\$	\$ 3,783.53	\$ 3,668.80	\$ 2,139.28	\$	\$ 1,083.57	\$
16,849.84	19,657.87	60,271.52	25,337.58	12,444.89	22,746.65	16,016.36
5,665.52 4,137.54 2,782.30	12,466.00 9,444.34 1,340.50	20,662.28 23,920.16	11,285.83 7,439.66 4,141.28	5,615.37 4,862.72 764.43	14,660.93 7,375.96 3,065.33	9,592.67 4,505.57 1,703.10
131.89	1,705.58	1,329.79	• • • • • • • • • • • • •	371. 5	1,051.62	228.35
						• • • • • • • • • • • • • • • • • • • •
29,567.09	48,397.82	109,852.55	50,343.63	24,059.26	49,984.06	32,046.05
5,424.96 55.76	4,000.00	8,766.61 10,000.00 2,725.99 805.55	1,637.08 11,000.00 60.62	1,069.70 2,000.00 119.20	2,449.36 3,000.00 1,689.67	1,553.71 8,000.00 326.45
17,797.59	91,225.36	57,092.78	25,844.89	34,885.87	35,192.11	20,810.21
	18.00			192.53		4,750.04
52,845.40	149,178.13	189,243.48	88,886.22	62,326.56	92,315.20	67,486.46
25.00	126.66	602.41		397.77	5,212.61	394.28
1		856.40	909.00	71.97	708.00	174.33
25.00	126.66	1,458.81	909.00	469.74	5,920.61	568.61
17,797 . 59 4,912 . 56			12,680.26			20,810.21 6,440.73
22,710.15	109,868.41	87,884.29	38,525.15	42,314.69	48,536.58	27,250.94
14,263.64	6,000.00	26,000.00	21,296.14	5,358.03	11,187.80	16,500.00
15,846.61	33,183.06	73,900.38	28,155.93	14,184.10	26,670.21	23,166.91
30,110.25	39,183.06	99,900.38	49,452.07	19,542.13	37,858.01	39,666.91
52,845.40	149,178.13	189,243.48	88,886.22	62,326.56	92,315.20	67,486.46
0.1	0.2	1.1	1.4	1.7	10.4	1.2

Municipality	Thornbury	Thorndale	Thornton	Thorold
Population	1,003	299	181	6,465
ASSETS Lands and buildings	\$ 4,404.73 23,777.36		\$ 8,176.47	\$ 17,224.64 51,484.52 93,716.12
Line transformers Meters Street light equipment, regular Street light equipment, ornamental.	12,028.48 8,345.77 1,944.98	2,989.35	1,533.35	50,709.94 42,990.65 11,471.66
Miscellaneous construction expense. Steam or hydraulic plant	36,000.00			9,115.24
Total plant	86,804.41	16,065.99	13,299.24	276,712.77
Bank and cash balance	2,875.13	683.21 1,100.00		50.00
Accounts receivable Inventories Sinking fund on local debentures	753.58 44.99	468.53	136.82	10,039.29 14,126.25
Equity in H-E.P.C. systems	2,855.75	17,059.33	6,853.23 173.73	
Other assets		1,187.86		
Total assets	93,333.86	36,893.30	20,589.30	527,684.77
LIABILITIES Debenture balance	4,775.94 15,988.01	80.48	434.39	4,317.32 32,235.99
Other liabilities	25.00	44.57	50.00	
Total liabilities	20,788.95	125.05	484.39	39,719.81
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	2,855.75 5,193.55			226,756.46 50,028.78
Total reserves	8,049.30	21,759.65	14,216.43	276,785.24
SURPLUS Debentures paid Local sinking fund	51,224.06		7,199.65	5,000.00
Operating surplus Net frequency standardization expense charged this year	13,271.55	11,922.12	1,311.17	206,179.72
Total surplus	64,495.61	15,008.60	5,888.48	
Total liabilities, reserves, and surplus.	93,333.86	36,893.30	20,589.30	527,684.77
Percentage of net debt to total assets less equity in H-E.P.C. systems	23.0	0.6	3.5	13.2

Utilities as at December 31, 1951

Tilbury	Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trafalgar Twp. (V.A.)
2,848	5,202	653,499	Twp. 23,303	577	
\$ 11,987.47 36,002.96	\$ 30,585.55 68,860.78 94,988.03	\$ 6,282,197.84 19,027,939.92 8,562,999.64	\$ 121,941.28 42,920.11 588,480.44	\$14,563.12	\$ 13,096.98 97,530.24
31,363.22 15,987.83 18,443.73	71,881.24 44,294.73 31,896.76	5,272,156.89 5,709,596.34 3,709,504.99 917,589.14	319,251.17 146,671.37 39,097.77	6,077.65 4,323.30 1,699.21	53,213.87 27,526.17 192.54
2,253.07	18,308.41	3,053,272.29	64,304.10	809.91	9,250.21
				• • • • • • • • • • • • • • • • • • • •	
116,038.28	360,815.50	52,535,257.05	1,322,666.24	27,473.19	200,810.01
10,258.41 582.94 6.22	200.00 1,326.77 8,560.63	254,307.73 *8,340,000.00 3,174,555.57 2,324,609.45	8,300.00 47,747.11	256.48	11,147.69 200.00 2,565.34 16,324.33
109,771.63 119.10	185,492.38 929.64	41,014,432.64 221,029.25	297,969.08	21,939.65 180.00	32,511.17
15.00			7,367.15		
236,791.58	557,324.92	107,864,191.69	1,810,802.68	49,849.32	263,630.90
648 . 84 202 . 25	125,471.00 13,946.16 5,370.74	118,500.00 1,838,654.70 189,505.65	85,569.42	8,338.12 53.09 466.43 303.25	75,885.06 29,777.07 2,015.00
851.09	144,787.90	2,146,660.35	710,696.82	9,160.89	107,677.13
109,771.63 34,753.03 148.60	185,492.38 44,038.33 151.09	41,014,432.64 19,974,474.58 3,930,052.35		21,939.65 3,218.33	32,511.17 30,717.88 315.00
144,673.26	229,681.80	64,918,959.57	513,131.58	25,157.98	63,544.05
14,000.00	40,529.00	29,398,095.29	113,640.12	13,096.85	33,002.50
77,267.23	142,326.22	11,400,476.48	473,334.16	2,433.60	59,407.22
91,267.23	182,855.22	40,798,571.77	586,974.28	15,530.45	92,409.72
236,791.58	557,324.92	107,864,191.69	1,810,802.68	49,849.32	263,630.90
0.7	38.9	3.2	47.2	32.8	46.6

^{*} Estimated market value Dec. 31, 1951.

Balance Sheets of Municipal Electrical

	1	1		
Municipality	Trenton	Tweed	Uxbridge	Victoria Harbour
Population	9,993	1,600	2,028	958
Assets Lands and buildings	\$ 6,604.06		\$	\$
Substation equipment Distribution system—overhead Distribution system—underground	78,039.03 168,960.96		2,657.65 28,360.63	
Line transformers	65,163.26 28,306.30	11,065.20	11,973.11	6,394.73
Street light equipment, ornamental Miscellaneous construction expense Steam or hydraulic plant	7,930.80		504.68	197.44
Old plant		21 000 50		
Total plant	420,439.82	<u> </u>		
Bank and cash balance	11,844.19 105,500.00 2,899.54 13,535.75	23,000.00 1,940.85	10,000.00 621.43	1,500.00 269.61
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets Frequency standardization expenditure in suspense	240,443.58 48.48		43,542.31 635.40	13,049.26 130.00
Total assets	794,711.36	\		43,305.68
Liabilities				
Debenture balance Accounts payable Bank overdraft		1,210.42	1,352.13	
Other liabilities.	6,532.33	454.49	1,147.00	
Total liabilities	6,532.33	1,664.91	2,499.13	
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	240,443.58 125,724.30	26,877.24 4,087.01 129.46	43,542.31 9,214.48 184.37	13,049.26 8,064.74
Total reserves	366,167.88	31,093.71	52,941.16	21,114.00
SURPLUS Debentures paid Local sinking fund	164,586.70	19,000.00	15,364.09	5,878.70
Operating surplus. Net frequency standardization expense charged this year.	257,424.45	75,407.33	58,673.97	16,312.98
Total surplus	422,011.15	94,407.33	74,038.06	22,191.68
Total liabilities, reserves, and surplus.	794,711.36	127,165.95	129,478.35	43,305.68
Percentage of net debt to total assets, less equity in H-E.P.C. systems	1.2	1.7	2.9	0.0

Utilities as at December 31, 1951

Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
3,313	7,352	365	522	1,361	1,665
 \$	\$	\$	\$	\$	\$
47.92	56,896.05 92,638.16			200.00	1,353.44
62,677.42	152,921.31	8,116.70	8,353.73	27,825.75	20,690.69
40,111.76 24,979.24	107,126.51 55,343.57	3,338.97 2,746.89	3,932.78 3,375.83	14,179.89 9,835.99	18,240.80 12,575.29
8,597.69	16,052.52	662.94	642.00	1,901.14	3,607.91
3,301.06	7,503.56	100.62	609.19	1,418.61	1,719.55
			3,618.02		• • • • • • • • • • • • • • • • • • • •
139,715.09	488,481.68	14,966.12	20,531.55	55,361.38	58,187.68
6,063.02 40,000.00	75.00 70,500.00	365.47 3,000.00	25.22 4,200.00	2,000.00	2,870.08 11,000.00
791.34 1,486.67	14,340.30 40,633.75	1,087.36		450.76	375.59
58.522.19	40,033.73	8.026.65	8,880.83	42 121 50	
1,235.31	439,470.90	8,020.00	0,000.03	43,131.50 127.24	64,000.81 15.00
	23,622.82				
247,813.62	1,077,131.41	27,445.60	33,718.96	101,070.88	136,449.16
			2,136.11		
189.92	197.75	33.67	1,891.86	456.68	164.04
683.00	19,285.74 4,103.01		21.20	309.33 139.28	288.00
872.92	23,586.50	33.67	4,049.17	905.29	452.04
50,500,10	420, 470, 00	0.000 05	0.000.00	42 121 50	C4 000 01
58,522.19 13,907.37	439,470.90 119,385.70	8,026.65 4,332.68	8,880.83 6,330.21	43,131.50 14,141.85	64,000 . 81 17,011 . 03
26.85	2,361.92	25.22		55.050.05	01.011.01
72,456.41	561,218.52	12,384.55	15,211.04	57,273.35	81,011.84
56,748.57	71,536.58	7,562.40	8,863.89	8,000.00	7,745.53
117,735.72	420,789.81	7,464.98	5,594.86	34,892.24	47,239.75
174,484.29	492,326.39	15,027.38	14,458.75	42,892.24	54,985.28
247,813.62	1,077,131.41	27,445.60	33,718.96	101,070.88	136,449.16
0.5	3.7	0.2	16.3	1.6	0.6

Balance Sheets of Municipal Electrical

Municipality	Waterloo	Watford	Waubau- shene	Welland
Population	11,947	1,149	(V.A.)	15,972
- Copulation - Cop	11,011	2,210		
ASSETS Lands and buildingsSubstation equipment. Distribution system—overhead	\$ 22,006.05 155,314.84 178,310.38		\$ 13,402.97	\$ 98,623.33 171,398.03 235,490.74
Distribution system—underground Line transformers. Meters. Street light equipment, regular.	127,656.03 72,067.89 24,004.33	9,600.33 9,162.47	4,926.00 5,106.73	9,495.59 156,861.08 119,786.73 48,986.25
Street light equipment, ornamental. Miscellaneous construction expense. Steam or hydraulic plant	23,768.44	431.49		17,564.83
Old plant				5,976.68
Total plant	603,127.96	56,196.98	23,928.27	864,183.26
Bank and cash balance		5,923.23 8,000.00		20,433.55 63,000.00
Accounts receivable	7,698.45 52,320.42	572.45 961.48	1,074.01	4,584.90 33,561.54
Equity in H-E.P.C. systems	571,152.77 1,439.17	52,264.19 11.66	10,515.48 19.47	709,810.00
ture in suspense	428.40			909.00
Total assets	1,236,367.17	123,929.99	35,537.23	1,696,701.51
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	100,000.00 8,096.12 9,173.09 6,450.00	5,778.33	108.81	21,295.54
Total liabilities				38,845.10
RESERVES For equity in H-E.P.C. systems. For depreciation Other reserves.	571,152.77 214,065.32 371.03	14,383.63	10,515.48 3,973.11 125.00	709,810.00 284,846.37 1,629.18
Total reserves	785,589.12	66,705.24	14,613.59	996,285.55
SURPLUS Debentures paid Local sinking fund	106,000.00	9,055.77	3,242.34	275,000.00
Operating surplus Net frequency standardization ex-	221,058.84	45,414.21	16,820.21	386,570.86
pense charged this year		3,405.66		
Total surplus	327,058.84		20,062.55	661,570.86
Total liabilities, reserves, and surplus.	1,236,367.17	123,929.99	35,537.23	1,696,701.51
Percentage of net debt to total assets less equity in H-E.P.C. systems	18.6	8.6	3.4	3.9

Utilities as at December 31, 1951

Wellesley	Wellington	West Lorne	Weston	Westport	Wheatley	Whitby
560	993	1,036	8,088	716	1,006	7,268
\$	\$ 225.00 499.80 17,878.54	\$ 22,593.56 18,573.67	\$ 22,455.44 128,312.07 181,161.32	\$ 9,790.30	\$ 52.50 28,895.73	\$ 91,586.94 34,288.16 99,192.62
5,266.54 4,913.17	11,177.49 9,993.22	12,594.39 7,911.90	109,714.25 59,087.56	4,235.72 3,722.59 886.70	17,313.48 9,884.61	35,917.85 36,794.33
907.47	4,466.59	4,089.38	17,390.11 7,345.68		9,630.39	14,982.79
						1,340.13
22,012.04	44,471.74	66,079.06	525,466.43	19,959.26	66,844.13	327,887.99
4,704.04 6,000.00	2,332.01 14,500.00	2,770.72	1,073.28	3,500.00		23,043.17
	350.03	685.25 611.61	9,762.58 16,795.11	33.25	150.16	5,499.65 10,361.17
30,001.90	23,809.76	51,085.75	496,710.67 974.80	13,037.02	31,649.37	120,117.53 36.44
		5.00	226.38			
62,717.98	85,463.54	121,237.39	1,051,009.25	36,958.29	101,624.94	486,945.95
1,203.09		262.50	75,500.00 7,195.41 9,817.24	256.26	8,550.53 592.68	302.24 3,815.49
5.00			2,922.52	342.42	140.00	3,532.53
1,208.09	46.25	.349.50	95,435.17	598.68	9,283.21	7,650.26
30,001.90 6,341.44		51,085.75 15,451.46 65.12	496,710.67 90,337.72 953.55	3,458.72	31,649.37 12,314.75 44.30	120,117.53 70,314.96
36,343.34	28,519.27	66,602.33	588,001.94	16,495.74	44,008.42	190,432.49
7,500.00	13,816.12	8,000.00	71,032.44	15,000.00	13,449.47	76,310.26
17,666.55	43,081.90	46,285.56	296,539.70	4,863.87	34,883.84	212,552.94
25,166.55	56,898.02	54,285.56	367,572.14	19,863.87	48,333.31	288,863.20
62,717.98	85,463.54	121,237.39	1,051,009.25	36,958.29	101,624.94	486,945.95
3.7	0.1	0.5	17.2	2.5	13.3	2.1

Balance Sheets of Municipal Electrical

	[0]			
Municipality	Wiarton	Williams- burg	Winchester	Windermere
Population	2,042	264	1,175	140
Assets Lands and buildings	\$	\$	\$ 299.85	\$
Substation equipment	333.57 33,642.43	8,902.61	20,701.14	11,009.57
Line transformers. Meters. Street light equipment, regular. Street light equipment, ornamental.	17,511 .83 13,755 .40 4,449 .95	2,831.72	9,178.13	7,309.24 2,142.36 247.26
Miscellaneous construction expense Steam or hydraulic plant	5,094.36	35.38	102.50	525.65
Old plant	1,870.35			
Total plant	76,657.89	18,333.84	44,891.31	21,234.08
Bank and cash balance	10,180.21 20,000.00 558.63 61.75	15,000.00 1,100.72	7,000.00	
Sinking fund on local debentures Equity in H-E.P.C. systems Other assets. Frequency standardization expenditure in suspense.	37,374.20	12,425.62	42,228.34	6,155.54 114.46
Total assets			99,950.08	30,434.09
LIABILITIES Debenture balance	2,858.23 3,005.07	24.12		268.06
Other liabilities				
Total liabilities	6,035.51	317.55	2,532.47	200.00
RESERVES For equity in H-E.P.C. systems. For depreciation. Other reserves.	37,374.20 7,758.67 84.95	1,586.21	11,910.93	
Total reserves	45,217.82	14,322.65	54,139.27	11,998.50
Surplus Debentures paid	34,541.77	2,750.00	9,206.06	11,763.30
Local sinking fund Operating surplus. Net frequency standardization expense charged this year	59,037.58	30,552.65	34,072.28	6,404.23
Total surplus		33,302.65	43,278.34	18,167.53
Total liabilities, reserves, and surplus.	144,832.68	47,942.85	99,950.08	30,434.09
Percentage of net debt to total assets less equity in H-E.P.C. systems		0.9	4.4	1.1

Utilities as at December 31, 1951

			T	7	
Windsor	Wingham	Woodbridge	Woodstock	Woodville	Wyoming
123,849	2,611	1,673	15,466	382	710
\$ 624,122.81 1,983,164.69 1,689,374.24 671,106.40	6,823.18 63,419.34		\$ 69,781.19 203,443.28 236,502.06	3	\$ 15,296.59
818,287.89 780,998.96 106,246.59	28,739.87 26,810.43	10,369.17	132,806.39	2,968.66	5,227.40 6,428.16 962.74
152,463 . 10	13,471.25 14,711.99		37,955.34		57.15
6,825,764.68	190,225.91	61,508.77	845,759.25	10,219.97	27,972.04
1,500.00 1,091,410.16 331,881.81 722,949.74 117,026.44	2,253.70 23,557.59	7,000.00	105,000.00	5,000.00 232.62	1,609.74 2,100.00 289.21
6,665,354.08 466.30	86,101.12	72,977.33	851,043.91 399.49	18,652.15 150.00	17,282.67
• • • • • • • • • • • • • • • • • • • •		8,143.18	2,307.10		
15,756,353.21	313,510.35	150,001.48	1,817,338.94	38,000.93	49,253.66
190,000.00 204,756.49 657,708.32 135,237.85	2,611.66	1,383.38 1,230.14	146,043 . 12 6,163 . 62 19,294 . 35 10,744 . 31	1,294.54	1,451.86
1,187,702.66	4,489.81	2,613.52	182,245.40	1,304.54	1,510.75
6,665,354.08 2,386,164.81 266,660.35	86,101.12 49,054.60	72,977.33 18,818.71 150.00	851,043.91 243,110.97 1,086.01	18,652.15 3,092.17 544.81	17,282.67 7,385.69 7.69
9,318,179.24	135,155.72	91,946.04	1,095,240.89	22,289.13	24,676.05
2,393,832.05 117,026.44 2,787,332.36	81,155.39 92,709.43	8,499.97 46,941.95	141,342.51 398,510.14	5,248.09 9,159.17	9,700.00 15,453.99 2,087.13
5,250,471.31	173,864.82	55,441.92	539,852.65	14,407.26	23,066.86
15,756,353.21	313,510.35	150,001.48	1,817,338.94	38,000.93	49,253.66
13.1	2.0	3.8	18.9	6.7	4.7

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded					
Municipality	York Twp. 96,770	Zurich 534	TOTAL SOUTHERN ONTARIO SYSTEM	Fort William 34,926	
Assets Lands and buildings Substation equipment Distribution system—overhead Distribution system—underground	540,635.55		40,004,595.95 41,031,338.62 10.554.818.60	\$ 182,654.42 436,680.56 651,275.66	
Line transformers		4,795.27 876.15	24,693,650.55 17,408,637.56 5,458,000.98	206,331.71 172,404.71 101,750.59	
Miscellaneous construction expense. Steam or hydraulic plant. Old plant	37,920.00		2,968,985.70	64,960.48	
Total plant	3,372,906.12	22,457.83	165,847,531.47	1,816,058.13	
Bank and cash balance	76,989.18	5,500.00 57.13	3,035,099.83 15,447,525.55 7,412,678.99 7,227,762.01	155,188.53 205,300.00 83,471.16 76,424.05 191,586.66	
Equity in H-E.P.C. systems Other assets. Frequency standardization expenditure in suspense	1,671,652.73	26,553.44	111,265,052.52 775,304.43	2,171,444.07 3,381.10	
Total assets			312,265,637.59	4,702,853.70	
LIABILITIES Debenture balance	124.118.84	4.923.57	17,750,100.06 7.214.242.11	674,000.00 96,101.95 51,872.27	
Total liabilities	279,888.11	4,933.57		821,974.22	
RESERVES For equity in H-E.P.C. systems For depreciation Other reserves	1,024,164.36	5,857.57	111,265,052.52 45,923,572.61 5,377,567.86	362,177.47	
Total reserves	2,819,848.96	32,411.01	162,566,192.99	2,542,300.51	
SURPLUS Debentures paid. Local sinking fund. Operating surplus. Net frequency standardization ex-	1,892,491.66		57,919,509.01 406,102.70 63,715,692.59	140,209.11 191,586.66 1,006,783.20	
pense charged this year			733,803.20	1 000 550 05	
Total surplus.	2,381,866.33		121,307,501 . 10		
Total liabilities, reserves, and surplus.		61,380.37	312,265,637.59	4,702,853.70	
Percentage of net debt to total assets less equity in H-E.P.C. systems	7.5	14.17	13.9	18.2	

Utilities as at December 31, 1951

BAY SYSTEM

			Schreiber		TOTAL
Nipigon	Port Arthur	Red Rock	Twp.	Terrace Bay	THUNDER
(V.A.)	32,082	Imp. Dist. 1,425	(V.A.)	Imp. Dist. 1,246	Bay System
\$	\$	\$	s	\$	\$
\$ 215.03	592,298.80		6,937.08	Ψ	\$ 782,105.33
32,680.25	514,843 95 719,725 16	900.00 20,746.76	38,897.52	57,287.25	952,424.51 1,520,612.60
12,908.51 10,375.97	208,991.29 201,242.90	9,472.11 4,922.83	9,201.91 8,979.51	17,131.80 10,178.92	464,037.33 408,104.84
6,107.58	114,277.36	3,601.86	2,368.43	14,225.27	242,331.09
2,332.25	34,272.95	2,489.10	2,186.60	2,601.79	108,843.17
	344,796.23		14,562.18		344,796.23 14,562.18
24 212 52	0.700 440 04	10.100.00		101 105 00	
64,619.59	2,730,448.64	· · · · · ·	<u> </u>	101,425.03	4,837,817.28
2,645.31 11,000.00	24,513.73 574,917.87	10,294 . 55	10,488.23	22,573.55	225,703.90 791,217.87
680.85	77,106.72	453.53	750.44	52.15	162,514.85
2	69,499.50		160.54 15,746.01		146,084.09 207,332.67
32,748.52	4,770,960.37	7,588.15	6,132.49	15,244.84	7,004,118.44
27.89	1,631.79			• • • • • • • • • • • • • • • •	5,040.78
111,722.16	8,249,078.62	60,468.89	116,410.94	139,295.57	13,379,829.88
		26,520.00	38,000.00	74,100.00	812,620.00
146.49	165,192.41	2,814.82	41.03		264,296.70
623.23					52,495.50
769.72	165,192.41	29,334.82	38,041.03	74,100.00	1,129,412.20
1					
32,748.52	4,770,960.37	7,588.15		15,244.84	7,004,118.44
6,237.78	1,073,858.45 158,569.51	3,130.44	2,850.90	6,638.00	1,454,893.04 167,248.48
38,986.30	6,003,388.33	10,718.59	8,983.39	21,882.84	8,626,259.96
		10,110.09	3,300.39	21,002.04	
10,000.00	626,317.40	4,680.00		3,900.00	797,106.51
61,966.14	1,454,180.48	15,735.48	15,746.01 41,640.51	39,412.73	207,332.67 2,619,718.54
52,555.11	2,101,100.40		11,010.01	55,112.75	2,010,113.01
71,966.14	2,080,497.88	20,415.48	69,386.52	- 43,312.73	3,624,157.72
111,722.16	8,249,078.62	60,468.89	116,410.94	139,295.57	13,379,829.88
0.68	2.0	48.5	22.1	53.2	14.9
		10.0		55.2	

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES

Municipality	Cache Bay	Capreol	Larder Lake Twp. (V.A.)	Latchford	McGarry Imp, Dist.
Population	864	1,992		504	2,128
ASSETS Lands and buildingsSubstation equipmentDistribution system—overhead.		\$ 450.00 26,265.31 18.699.48		\$ 12,656.72	\$ 21,470.58
Distribution system—overhead. Distribution system—underground. Line transformers Meters Street light equipment, regular Street light equipment, ornamental	397.08 1,309.70 129.01	11,332.67 10,829.24	12,265.89 9,819.86	3,497.89 3,036.61	10,716.10 7,476.76
Miscellaneous construction expense Steam or hydraulic plant Old plant	1,217.24				
Total plant					
Bank and cash balance		2,485.25			
Accounts receivable Inventories Sinking fund on local debentures	119.04	67.00		30.95	
Equity in H-E.P.C. systems. Other assets. Frequency standardization expendi-					
ture in suspense				,	
Total assets	48,412.85	79,264.24	54,926.84	22,851.10	44,835.20
LIABILITIES Debenture balance Accounts payable Bank overdraft Other liabilities	18,901.00	24,603.56			3,041.97 451.75
Total liabilities					
RESERVES For equity in H F.P.C. systems For depreciation Other reserves	854.00		12,841.00	720.00	7,300.00
Total reserves	854.00	5,877.18	12,899.97	720.00	7,300.00
SURPLUS Debentures paid Local sinking fund Operating surplus. Net frequency standardization ex-	622.85				
pense charged this year					
Total surplus		ļ			
Total liabilities, reserves, and surplus.	48,412.85	79,264.24	54,926.84	22,851 . 10	44,835.20
Percentage of net debt to total assets less equity in H-E.P.C. systems	92.8	31.8	43.4	85.8	45.1

^{*} Undistributed plant.

Utilities as at December 31, 1951

North Bay	Sioux Lookout	Sturgeon Falls	Sudbury	Total Northern Ontario	Total All
18,740	2,381	4,953	50,222	PROPERTIES	SYSTEMS
\$ 000 000	\$ 7,653.66	\$	\$ 050,000	\$ 47	\$
62,930.83 118,583.00 233,482.98		2.249.99	253,270.98 385,570.08 584,130.00	532,668.38	18,575,200.20 41,489,688.84 43,521,167.44
96,244.60 124,999.11 42,135.52	15,341 . 15 14,211 . 26 8,582 . 28	24,233.89	263,651.04 226,706.88 160,170.86		10,554,818.60 25,596,437.39 18,239,365.71 5,927,660.80
14,093.45	1,070.00	4,464.57	52,968.69		5,961,347.63 3,313,781.93
	,			42,336.63	542,988.37
692,469.49	73,750.10	111,939.38	1,926,468.53	3,037,108.16	173,722,456.91
20,574.06 38,258.82		18,628.04	50,000 00 105,016 74 96,111 13	151,838.85	3,276,778.98 16,291,592.69 7,727,032.69 7,514.369.31 613,435.37
7,311.57				7,311.57	118,269,170.96 787,656.78
• • • • • • • • • • • • • • • • • • • •					848,580.09
758,613.94	88,538.32	130,567.42	2,177,596:40	3,405,606.31	329,051,073.78
27,741.85 46,933.12 50,605.23	730.77 2,913.75	19,111.04 3,497.58 4,176.44			18,889,520.06 7,653,317.92 2,085,158.47 1,612,914.06
125,280.20	3,644.52	26,785.06	430,043.13	719,554.81	30,240,910.51
282,165.78 3,098.56	1,812.09	35,506.00 1,124.13	361,952.57 79,141.42	708,951 . 23 83,500 . 47	118,269,170.96 48,087,416.88 5,628,316.81
285,264.34	1,812.09	36,630.13	441,093.99	792,451.70	171,984,904.65
228,157.68			464,338.53	717,696.21	59,434,311.73 613,435.37
119,911.72	83,081.71	67,152.23	842,120.75	1,175,903.59	67,511,314.72
					733,803.20
348,069.40	83,081.71	67,152.23	1,306,459.28	1,893,599.80	126,825,258.62
758,613.94	88,538.32	130,567.42	2,177,596.40	3,405,606.31	329,051,073.78
16.5	41.2	20.5	19.7	21.1	14.1

SOUTHERN ONTARIO SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population	3,037	1,000	497	2,209	2,038
Earnings	\$	\$	\$	\$	\$
Domestic service. Commercial light service. Commercial power service. Municipal power Street lighting. Merchandise.	33,317.47 14,202.52 61,741.88 963.93 3,318.14		2,556.47 2,669.96	17,690.49 14,407.81 6,165.59 1,710.12 2,343.67	24,924.72 14,198.98 11,165.24 988.75 2,215.20 8.86
Miscellaneous	397.80	222.79	160.05	1,552.19	676.70
Total earnings	113,941.74	28,954.75	11,750.05	43,869.87	. 54,178.45
Expenses					
Power purchasedSubstation operation		21,070.06	8,334.39	21,380.44	29,786.38
Substation maintenance. Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and maintenance. Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance. Interest. Sinking fund and principal payments on debentures.	4,739.07 195.94 104.24 321.20 53.34 1,568.09 1,759.81 1,001.07 431.42 5.25	206.84 395.23 139.69 272.68 1,055.89 369.53	144.20 525.44 111.30 28.51	3,016.64 175.75 279.43 306.90 1,873.76 1,310.49 218.03 824.51	1,708.53
Depreciation	2,752.00	1,315.00	675.00	2,500.00	2,260.00
Other reserves					
Total operating costs and fixed charges	105,703.27	24,824.92	10,131.66	31,885.95	43,008.69
Net surplus	8,238.47	4,129.83	1,618.39	11,983.92	11,169.76
Net loss					
Number of Customers					
Domestic service	771 118 25	270 40 8	173 42 4	557 144 16	562 145 27
Total	914	318	219	717	734
Statement B includes 324 municipalities		2C			

Statement B includes 324 municipalities in group 1, see page 36.

				, ,		
Almonte	Alvinston	Amherstburg		Apple Hill	Arkona	Arnprior
2,394	682	3,594	Twp. (V.A.)	464	338	4,495
\$	\$	\$	\$	\$	\$	\$
26,728.57	5,116.98		34,484.38	2,197.67	5,210.73	38,292.05
10,323.22 20,576.49	4,054.78 1,596.93	19,934.36 14,801.72	8,779.14 1,453.63	1,154.96 334.15	2,803.06 275.40	22,303.02 30,127.16
1,788.28 3,352.00	224.97 1,670.00	3,743.76	616.68 1,633.50	478.50	1,369.92	2,462.86 4,349.24
1,128.38 - 2,648.94	406.18	1,563.52	393.74	109.60	105.62	270.58 2,205.30
66,545.88	13,069.84	88,143.19	47,361.07	4,274.88	9,764.73	100,010.21
					· ·	
- 10					3	
20,843.27 10,084.60	8,005.03	63,285.01	24,724.88	2,011.66	6,190.60	67,213.47
44.71		,				
3,196.15	442.45	5,528.55	1,937.46	212.91	630.44	3,954.45
33.30 448.75	7.51 20.83	946.90	300.32 507.16	62.20	249.59	355.57 1,306.48
43.72		1,383.06	4.50		37.50	116.67
244.93	248.76	652.38 11.76	331.98	97.80	174.64	605.26
3,650.12	823.07 479.54	1,651.31	1,152.71 1,617.16	355.69 88.45	485.71 253.06	3,740.14 3,638.26
2,587.61 1,213.24	50.98	2,569.08 1,054.25	168.42		8.62	613.20
682.20 661.85		1,065.50	1,364.46 1,188.55		13.99	
2,395.50			1,554.75			
6,215.00	776.00	2,722.00	2,256.00	360.00	405.00	3,195.00
52,344.95	10,854.17	81,297.46	37,108.35	3,188.71	8,449.15	84,738.50
14,200.93	2,215.67	6,845.73	10,252.72	1,086.17	1,315.58	15,271.71
				7		
761	249	954	580	83	137	1.139
123	59	183	52	22	40	171
26	7	22	10	1	2	33
910	315	1,159	642	106	179	1,343

Municipality	Arthur	Athens	Aurora	Aylmer	Ayr
Population	1,060	841	3,363	3,557	872
Earnings	\$	\$	\$	\$	\$
Domestic service	1,831.56	882.00	18,709.94 30,512.19 2,115.81	31,645.00 21,676.58 26,387.47 2,491.26 4,240.08	
Miscellaneous	130.25	273.13	205.33	1,034.25	350.59
Total earnings	27,183.72	15,919.27	104,560.58	87,474.64	21,714.31
Expenses					
Power purchased	13,880.69	6,209.26	65,612.11	61,134.83	
Distribution system, operation and maintenance	2,384.79 48.25 290.76	199.28 6.66 38.69	495.40	470.98	18.00 135.68
Street lighting, operation and maintenance	466.52	80.28	1,376.71	800.37	405.80
Promotion of business	62.09 200.00		3,088.63 1,637.87	3,183.87 2,284.86 756.72 821.02	295.89 225.00
Interest			156.61	3.39	,
Depreciation	950.00	775.00	4,013.00	4,270.00	981.00
Other reserves					
Total operating costs and fixed charges	19,922.60	8,000.93	94,501.16	79,056.34	17,627.25
· Net surplus	7,261.12	7,918.34	10,059.42	8,418.30	4,087.06
Net loss					
Number of Customers					
Domestic service	314 92 11	247 55 2	1,015 156 29	988 218 30	268 51 8
Total	417	304	1,200	1,236	327

\$\begin{array}{c c c c c c c c c c c c c c c c c c c							
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
8,932.75 14,457.39 158,818.90 9,041.50 5,760.10 8,040.59 20,381.7 3,429.31 13,570.57 88,874.62 5,693.98 1,711.22 1,040.84 7,559.9 13,047.61 2,031.09 66,459.76 417.28 700.30 27,847.91 3,293.0 928.32 1,598.40 8,636.00 766.50 462.70 728.00 2,218.8 224.63 85.18 4,987.50 14.30 799.44 689.6 26,562.62 31,742.63 333.257.00 15,919.26 8,648.62 38,456.78 34,143.2 20,599.98 3,546.53 193,416.06 5,059.03 3,043.31 33,352.80 25,399.5 294.31 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0 294.31 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0 36.59 5,264.14 14 714.43 184.8 99.70 378.50 1,538.57 316.04 148.57 139.34 532.2 417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 49.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.	700	1,308	13,318	1,294	429	660	1,728
3,429,31 13,570,57 88,874,62 5,693,98 1,711,22 1,040,84 7,559,9 3,293,0 928,32 1,598,40 8,636,00 766,50 462,70 728,00 2,218,8 224,63 85,18 4,987,50 14,30 799,44 689,6 26,562,62 31,742,63 333,257,00 15,919,26 8,648,62 38,456,78 34,143,2 20,599,98 3,546,53 193,416,06 5,059,03 3,043,31 33,352,80 25,399,5 897,34 5,535,21 4,479,66 294,31 1,189,95 19,921,76 297,72 265,67 791,04 1,494,0 19,22 404,86 2,935,80 70,62 65,86 103,12 6 56,99 5,264,14 714,43 184,8 99,70 378,50 1,538,57 316,04 148,57 139,34 532,2 417,15 1,550,39 11,020,92 587,78 308,60 553,12 2,124,4 296,50 1,411,54 9,219,88 255,31 233,63 288,76 1,287,0 17,10 344,20 4,837,88 20.00 5.00 17,8 40,51 1,837,53 9,65 225,36 63,74 11.00 </td <td>\$</td> <td>\$</td> <td>\$</td> <td>\$</td> <td>\$</td> <td>\$</td> <td>\$</td>	\$	\$	\$	\$	\$	\$	\$
928.32 1,598.40 8,636.00 766.50 462.70 728.00 2,218.8 224.63 85.18 4,987.50 14.30 799.44 689.6 26,562.62 31,742.63 333,257.00 15,919.26 8,648.62 38,456.78 34,143.2 20,599.98 3,546.53 193,416.06 5,059.03 3,043.31 33,352.80 25,399.5 897.34 5,535.21 4,479.66 297.72 265.67 791.04 1,494.0 19.24 344.99 2,636.81 66.99 102.00 57.12 6 19.22 404.86 2,935.80 70.62 65.86 103.12 6 56.99 5,264.14 70.62 65.86 103.12 6 99.70 378.50 1,538.57 316.04 148.57 139.34 532.2 417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 17.10 344.20 4,837.88 20.00 5.00 17.8 <td>3,429.31</td> <td>13,570.57</td> <td>88,874.62</td> <td>5,693.98</td> <td>1,711.22</td> <td>1,040.84</td> <td>20,381.73 7,559.95 3,293.06</td>	3,429.31	13,570.57	88,874.62	5,693.98	1,711.22	1,040.84	20,381.73 7,559.95 3,293.06
224.63 85.18 4,987.50 14.30 799.44 689.6 26,562.62 31,742.63 333,257.00 15,919.26 8,648.62 38,456.78 34,143.2 20,599.98 3,546.53 193,416.06 5,059.03 3,043.31 33,352.80 25,399.5 294.31 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0 19.22 404.86 2,935.80 70.62 65.86 103.12 6 56.99 378.50 1,538.57 316.04 148.57 139.34 532.2 417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 17.10 344.20 4,837.88 20.00 50.00 17.8 40.51 31,837.53 9.65 225.36 63.74 11.00 10,125.00 842.13 563.86 723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.0 22,564.46 25,547.83	928.32	1,598.40	4,924.89 8,636.00	766.50	462.70	728.00	2,218.85
20,599.98	224.63	85.18	555.33 4,987.50		14.30	799.44	689.65
897.34 5,535.21 4,479.66 1,189.96 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0	26,562.62	31,742.63	333,257.00	15,919.26	8,648.62	38,456.78	34,143.24
897.34 5,535.21 4,479.66 1,189.96 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0	00 500 00	2.540, 52	102.416.06	5.050.00	2.049.21	22.250.00	25 200 50
294.31 1,189.95 19,921.76 297.72 265.67 791.04 1,494.0 19.22 404.86 2,935.80 70.62 65.86 103.12 65.99 56.99 .0 5,264.14 .0 65.86 103.12 66.99 99.70 378.50 1,538.57 316.04 148.57 139.34 532.2 417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 17.10 344.20 4,837.88 20.00 5.00 17.8 40.51 1,837.53 9.65 225.36 63.74 11.00 10,125.00 842.13 563.86 723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.0 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9	20,599.98		5,535.21		3,043.31	33,352.80	25,399.50
19.22 404.86 2,935.80 70.62 65.86 103.12 714.43 184.8 99.70 378.50 1,538.57 316.04 148.57 139.34 532.2 417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 17.10 344.20 4,837.88 20.00 5.00 17.8 40.51 1,837.53 9.65 225.36 63.74 11.00 10,125.00 842.13 563.86 723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.0 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9	294.31		19,921.76	297.72			1,494.07
417.15 1,550.39 11,020.92 587.78 308.60 553.12 2,124.4 296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 17.10 344.20 4,837.88 20.00 5.00 17.8 40.51 2,771.93 5.00 17.8 10,125.00 842.13 563.86 723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.0 22,564.46 25,547.83 282,615.23 8,284.98 5,099.24 36,715.73 32.728.2 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9		404.86	2,935.80	70.62		103.12	.60
296.50 1,411.54 9,219.88 255.31 233.63 288.76 1,287.0 40.51 2,771.93 2271.93 1,837.53 9.65 225.36 63.74 11.00 10,125.00 842.13 563.86 11.00 10.00 <	99.70	378.50	1,538.57	316.04	148.57	139.34	532.23
1,837.53 9.65 225.36 63.74 11.00 10,125.00 842.13 563.86 723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.0 22,564.46 25,547.83 282,615.23 8,284.98 5,099.24 36,715.73 32,728.2 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9	296.50 - 17.10	1,411.54	9,219.88 4,837.88	255.31 20.00	233.63	288.76	2,124.45 1,287.00 17.82
723.00 3,616.00 18,671.00 544.00 304.00 700.00 1,687.00 22,564.46 25,547.83 282,615.23 8,284.98 5,099.24 36,715.73 32.728.2 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9	40.51	1,837.53	2,771.93 9.65		63.74	11.00	
22,564.46 25,547.83 282,615.23 8,284.98 5,099.24 36,715.73 32,728.2 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9		10,125.00		842.13	563.86		
22,564.46 25,547.83 282,615.23 8,284.98 5,099.24 36,715.73 32,728.2 3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9 193 333 3,450 248 119 213 52	723.00	3,616.00	18,671.00	544.00	304.00	700.00	1,687.00
3,998.16 6,194.80 50,641.77 7,634.28 3,549.38 1,741.05 1,414.9			355.96				
193 333 3,450 248 119 213 52	22,564.46	25,547.83	282,615.23	8,284.98	5,099.24	36,715.73	32,728.27
	3,998.16	6,194.80	50,641.77	7,634.28	3,549.38	1,741.05	1,414.97
		1					
	193 34 3	101	567	57	15		524 90 11
230 440 4,101 308 135 244 62	230	440	4,101	308	135	244	625

Municipality	Beaverton	Beeton	Belle River		
		Decton	Belle River	Belleville	Blenheim
Population	. 967	579	1,411	19,423	2,436
EARNINGS	\$	\$	\$	\$	\$
Domestic service Commercial light service Commercial power service Municipal power Street lighting Merchandise Miscellaneous	6,478.96 3,869.07 631.92 1,821.18	6,331.31 4,614.77 802.58 1,750.30 7.75 162.75	541.69 2,071.53 2,004.00	126,237.91 94,530.82 6,988.97 16,952.68 1,524.33	17,325.90 19,356.80 14,609.29 1,805.20 4,982.00
Total earnings	27,128.31	13,669.46	26,199.72	474,517.93	59,160.18
Expenses					
Power purchased			15,193.52	324,092.65 5,710.77	
Distribution system, operation and maintenance. Line transformer maintenance Meter maintenance. Consumers' premises expenses Street lighting, operation and main	1,822.11 167.00 546.55 363.01	20.00	317.13 583.58 56.42	529.78 1,525.54 2,179.24	233.34 343.04 99.49
tenance Promotion of business Billing and collecting General office, salaries and expense Undistributed expenses Truck operation and maintenance	1,932.15 s 1,224.63 22.50	640.03 377.83 54.15	1,803.40 842.38 79.26	497.65 15,008.90 10,677.86 3,908.65 579.87	1,965.31 3,197.03
Interest	S		31.46		229.20
Depreciation	1,204.00	840.00	1,604.00	18.244.00	3,905.00
Other reserves					
Total operating costs and fixed charges		11,974.48	22,530.46	390,437.37	47,275.11
Net surplus	. 3,618.18	1,694.98	3,669.26	84,080.56	11,885.07
Net loss					
Number of Customers					
Domestic service	. 87	42	75	804	165
Total	. 539	228	561	6,243	911

STATEMENT B

653 660 1,139 852 701 5,318 1,576 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 5,833,47 7,489,98 17,305,49 10,365,42 4,826,40 70,605,47 17,270 4,586,68 4,052,12 10,323,50 4,992,14 3,981,97 24,586,52 15,426 2,150,50 6,243,11 813,17 3,333,55 1,955,91 82,970,06 14,482 820 858,00 1,382,64 2,906,43 1,238,02 1,971,64 5,491,00 1,662 3,001,65 232 530,56 254,25 162,42 285,23 442,14 2,493,49 372 13,959,21 19,422,10 31,511.01 20,856,82 13,330,87 190,229,05 50,301 8,801.31 13,398,90 14,474,21 11,805,92 9,049,67 133,212,41 25,811 940,74 946,44 1,776,45 1,175,26 270,95 7,318,67 3,640 109,64 21,25 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>							
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford
5,833.47 7,489.98 17,305.49 10,365.42 4,826.40 70,605.47 17,270 4,586.68 4,052.12 10,323.50 4,992.14 3,981.97 24,586.52 15,426 2,150.50 6,243.11 813.17 3,333.55 1,955.91 82,970.06 14,482 858.00 1,382.64 2,906.43 1,238.02 1,971.64 5,491.00 1,696 530.56 254.25 162.42 285.23 442.14 2,493.49 372 13,959.21 19,422.10 31,511.01 20,856.82 13,330.87 190,229.05 50,301 8,801.31 13,398.90 14,474.21 11,805.92 9,049.67 133,212.41 25,811 306.95 306.95 306.95 306.95 306.95 306.95 306.95 940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 <	653	660	1,139	852	701	5,318	1,576
4,586,68 4,052,12 10,323,50 4,992,14 3,981,97 24,586,52 15,426 2,150,50 6,243,11 813,17 642,46 152,81 1,080,86 820 858,00 1,382,64 2,906,43 1,238,02 1,971,64 5,491,00 1,666 530,56 254,25 162,42 285,23 442,14 2,493,49 372 13,959,21 19,422,10 31,511,01 20,856,82 13,330,87 190,229,05 50,301 8,801,31 13,398,90 14,474,21 11,805,92 9,049,67 133,212,41 25,811 306,95 305,29 306,95 306,95 306,95 566 109,64 21,25 174,96 302,69 931,66 566 109,64 21,25 174,96 302,69 931,66 651 12,20 79,83 277,38 470,66 389 322,92 276,66 496,72 233,89 277,38 5,030,68 1,353 260,41 276,40 755,63 723,49 357,18 5,515,28 1,228 3,	\$	\$	\$	\$	\$	\$	\$
2,150.50 6,243.11 813.17 3,333.55 1,955.91 82,970.06 14,482 858.00 1,382.64 2,906.43 1,238.02 1,971.64 5,491.00 1,696 530.56 254.25 162.42 285.23 442.14 2,493.49 372 13,959.21 19,422.10 31,511.01 20,856.82 13,330.87 190,229.05 50,301 8,801.31 13,398.90 14,474.21 11,805.92 9,049.67 133,212.41 25,811 306.95 355.29 306.95 940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 109.64 21.25 174.96 302.69 931.66 651 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 36.73 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723							17,270.89 15,426.91
858.00 1,382.64 2,906.43 1,238.02 1,971.64 5,491.00 1,666 530.56 254.25 162.42 285.23 442.14 2,493.49 372 13,959.21 19,422.10 31,511.01 20,856.82 13,330.87 190,229.05 50,301 8,801.31 13,398.90 14,474.21 11,805.92 9,049.67 133,212.41 25,811 306.95 306.95 306.95 306.95 306.95 306.95 940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 3,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 3,494.75 3,349.75 1,300.56 1,779.91 663 3,494.75 30.00 30.00 7,760.00				3,333.55	1,955.91	82,970.06	14,482.43 820.99
530.56 254.25 162.42 285.23 442.14 2,493.49 372 13,959.21 19,422.10 31,511.01 20,856.82 13,330.87 190,229.05 50,301 8,801.31 13,398.90 14,474.21 11,805.92 9,049.67 133,212.41 25,811 306.95 306.95 940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 322.69 931.66 651 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,305.51 1,779.91 663 1,300.56 3,494.75 30.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	858.00	1,382.64	2,906.43			5,491.00	1,696.50 232.06
8,801.31 13,398.90 14,474.21 11,805.92 9,049.67 133,212.41 25,811 940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 36.73 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 3,375.00 1,244.00 581.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	530.56	254.25	162.42	285.23	442.14		372.13
940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 277.38 470.66 389 322.92 276.66 496.72 233.89 277.38 470.66 389 1,008.26 731.21 1,362.86 912.14 575.78 5.030.68 1,353 260.41 276.40 755.63 723.49 357.18 5.515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	13,959.21	19,422.10	31,511.01	20,856.82	13,330.87	190,229.05	50,301.91
940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 277.38 470.66 389 322.92 276.66 496.72 233.89 277.38 470.66 389 1,008.26 731.21 1,362.86 912.14 575.78 5.030.68 1,353 260.41 276.40 755.63 723.49 357.18 5.515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957							
940.74 946.44 1,776.45 1,175.26 270.95 7,318.67 3,640 109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	8,801.31	13,398.90			9,049.67		25,811.77
109.64 21.25 174.96 302.69 931.66 651 12.20 79.83 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957			355.29			306.95	
109.64 21.25 174.96 302.69 931.66 651 322.92 276.66 496.72 233.89 277.38 470.66 389 36.73 <	940.74	946.44	1,776.45	1,175.26	270.95	7,318.67	3,640.14
12.20 79.83 1,957.70 322.92 276.66 496.72 233.89 277.38 470.66 389 1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 30.00 30.00 30.00 2,334 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	109.64				40.20 302.69	82.96 931.66	566.49 651.42
1,008.26 731.21 1,362.86 912.14 575.78 5,030.68 1,353 260.41 276.40 755.63 723.49 357.18 5,515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,779.91 663 1,300.56 3,494.75 543.00 940.00 3,375.00 1,244.00 581.00 7,760.00 2,334 30.00 30.00 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957		12.20				1,957.70	
1,008.26 731.21 1,362.86 912.14 575.78 5.030.68 1,353 260.41 276.40 755.63 723.49 357.18 5.515.28 1,228 42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 30.00 7,760.00 2,334 30.00 30.00 30.00 30.00	322.92	276.66	496.72	233.89	277.38	470.66 36.73	389.29
42.73 141.70 3,365.31 319 641.55 1,300.56 1,779.91 663 3,494.75 3,375.00 1,244.00 581.00 7,760.00 2,334 30.00 30.00 30.00 36,957						5,030.68	1,353.50 1,228.41
1,300.56 3,494.75 543.00 940.00 3,375.00 1,244.00 581.00 7,760.00 2,334 30.00 30.00 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	200.11		141.70			3,365.31	319.46 663.42
543.00 940.00 3,375.00 1,244.00 581.00 7,760.00 2,334 30.00 30.00 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957			1,300.56			1,773.31	
30.00 11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957			3,494.75				
11,986.28 16,705.81 28,515.67 16,249.39 11,454.85 167,768.92 36,957	543.00	940.00	3,375.00	1,244.00	581.00	7,760.00	2,334.00
		· · · · · · · · · · · · · · · · · · ·		30.00			
1,972.93 2,716.29 2,995.34 4,607.43 1,876.02 22,460.13 13,344	11,986.28	16,705.81	28,515.67	16,249.39	11,454.85	167,768.92	36,957.90
	1,972.93	2,716.29	2,995.34	4,607.43	1,876.02	22,460.13	13,344.01
				·			
209 233 448 244 215 1,659 44 59 99 58 65 214							410 103
7 6 3 15 8 32	7						23
260 298 550 317 288 1,905	260	298	550	317	288	1,905	536

Municipality	Braeside	Brampton	Brantford	Brantford	Brechin
		- 1	36,602	Twp.(V.A.) 16,318	270
Population	451	8,301	30,002	10,318	270
Earnings	\$	\$	\$	\$	\$
Domestic service	3,047.87 670.02		343,712.94 167,141.72	176,754.46 26,667.61	2,369.69 1,990.67
Commercial power service	6,909,75	39,721.11	537,001.45	21,211.29	882.37
Municipal power	441.58	5,626.47 8,269.64	11,286.00 43,278.24	13,369.19	378.00
Merchandise	6.83	3,041.74	7,313.66	391.40	205.25
Total earnings	11,076.05	204,195.83	1,109,734.01	238,393.95	5,825.98
Expenses					
Power purchased		143,162.65	786,860.19	118,670.54	2,894.85
Substation operation		230.97	17,075.48 5,901.63	1,261.89	
Distribution system, operation and maintenance	682.45			8,884.98	154.47
Line transformer maintenance Meter maintenance	58.25 14.91		3,743.29 9,196.83	2,803.74	19.0
Consumers' premises expenses Street lighting, operation and main-		306.59	28,394.92		60.35
tenance	86.91		7,537.76 31.34	2,261.89	37.50
Billing and collecting. General office, salaries and expenses	350.58	4,619.90 2,687.08	20.977.68	6,736.53	
Undistributed expenses			726.00	1,651.45	
Interest	189.66				
Sinking fund and principal payments on debentures	254.94			7,547.66	
Depreciation	212.00	10,080.00	30,542.00	11,963.00	154.00
Other reserves		899.28			
Total operating costs and fixed charges	9,512.24	170,032.79	935,622.81	178,744.32	3,708.6
Net surplus	1,563.81	34,163.04	174,111.20	59,649.63	2,117.2
Net loss					
Number of Customers					
Domestic service	. 10	329	1,549	129	2
Power service		-			
Total	144	2,668	11,577	3,285	8

Bridgeport	Brigden	Brighton	Brockville	Brussels	Burford	Burgessville
1,138	450	2,027	12,030	817	884	194
\$	\$	\$	\$	\$	\$	\$
11,834.68 3,701.29	2,868.86	11,086,73	121,277.01 51,919.20		4,550.31	2,909.29 1,238.38
2,196.19	4,212.43 210.95	6,027.96	152,443.46 8,752.62		3,621.92	1,453.57
1,018.50	837.89		9,381.50		1,026.32	384.00
41.71	227.67	318.92	1,775.54	204.44	49.91 128.76	87.56
18,792.37	11,650.43	42,940.02	345,549.33	20,665.28	21,944.50	6,072.80
11,479.89	5,996.32	25,125.43	277,834.97	13,436.43	14,703.36	3,730.40
		25,125.45	13,362.39		14,703.30	3,730.40
		0.000.04	61.24			
180.82 9.58		547.26	7,469.69 222.86			419.82 21.41
$134.19 \\ 3.37$		1,089.39 92.70	2,997.88	11.25	42.72	189.86
183.26	212.32	369.47	2,121.70	145.43	270.30	23.21
1,071.33	595.75	2,816.67	6,147.78		813.72	188.37
346.47 11.70	307.65 8.97	2,719.48 1,281.60		37.61		50.28 5.00
		1,191.20 6.05	1,777.49		2.85	
1,229.00	745.00	1,500.00	. 17,054.00	1,104.00	940.00	258.00
14,649.61	8,811.88	39,748.49	339,435.95	16,404.96	18,532.31	4,886.35
4,142.76	2,838.55	3,191.53	6,113.38	4,260.32	3,412.19	1,186.45
1 1						-
299		618				68
30 5					53 7	22 3
334	192	. 773	4,030	365	343	

Municipality	Burks	Burlington	Caledonia	Campbell-	Canning-
Population	Falls 852	6,314	1,685	ville 260	ton 874
Earnings	\$	\$	\$	\$	\$
Domestic service Commercial light service Commercial power service Municipal power Street lighting Merchandise Miscellaneous	8,170.12 8,705.31 163.25 584.36 1,913.93	91,212.61 37,878.91 28,247.02 1,165.76 5,326.99	13,943.96 10,603.06 3,363.79 408.80 2,850.00 112.53 149.36	3,218.68 732.05 438.21 	10,487.01 4,948.35 4,139.07 1,568.45 16.59 408.07
Total earnings		165,124.96	31,431.50		21,567.54
Evenyone					
Expenses					
Power purchasedSubstation operation		86,714.27	17,770.08	2,934.21	12,911.05
Substation maintenance					
Distribution system, operation and		7,239.36	1,566.86	291.69	1,195.57
maintenanceLine transformer maintenance	901.93	330.39	254.93		62.80
Meter maintenance	134.25	3,331.29	389.96	55.10	356.20
Consumers' premises expenses Street lighting, operation and main-		300.68	61.95		216.87
tenancePromotion of business	204.62	663.83	541.09 13.49		267.51
Billing and collecting	779.67	7,517.99			1,065.78
General office, salaries and expenses	528.53	5,156.74	1,729.26	102.06	763.27
Undistributed expenses		1,065.74 1,411.43			
Truck operation and maintenance Interest		5.175.29			
Sinking fund and principal payments on debentures					
Depreciation	945.00	7,159.00	1,668.00	152.00	794.00
Other reserves					
Total operating costs and fixed charges		132,898.50	26,770.95	3,772.05	17,633.05
Net surplus	7,749.82	32,226.46	4,660.55	1,100.84	3,934.49
Net loss					
Number of Customers					
Domestic service					
Commercial light service		221 33			4.0
Total	301	2,157	652	80	394

Cardinal	Carleton	Cayuga	Chatham	Chatsworth	Chesley	Chesterville
1,811	Place 4,685	716	21,473	408	1,715	1,178
\$	\$	\$	\$	\$	\$	\$
18,136.38 5,536.82	41,897.80 18,750.53	6,523.03 6,865.83	200,246.03 208,710.17	4,337.13 3,965.06	20,442.73 8,875.08	9,253.01 6,337.57
934.48	35,691.93 1,774.69	4,228.66 33.10	241,711.99 11.648.05	1,054.18	13,122.83 773.86	12,505.34
1,328.00	5,277.19	1,786.62 17.82	36,256.93	850.00	2,595.11	1,482.00
261.89	1,798.34	554.01	2,659.13 5,179.61	56.34	263.51	552.50
26,197.57	105,190.48	20,009.07	706,411.91	10,262.71	46,073.12	30,130.42
						1.0
18,202.23	79,530.42 354.00	8,449.66	369,077.47 14,772.30	6,423.77	29,246.25	21,122.16
			20,929.17			
828.50	4,549.32	782.34	41,063.65	485.27	1,869.75	1,767.91
77.60 97.35	99.99 1,405.82	120.75 219.85	7,774.66 9,950.83	21.42	51.15 640.82	80.67 197.70
	393.28		18,151.79		193.02	82.17
135.43	2,114.35 2.35	409.02	7,092.76 21,595.67	131.45	470.30	266.78
899.82 434.21	3,913.43 6,621.62	1,408.55 982.85	24,972.43 39,117.52	357.55 147.80	1,439.55 1,039.08	968.83 511.09
24.56	673.04 494.14	277.77 574.51	18,773.11 12,966.91	5.00	112.34 136.00	79.37 533.00
	494.14	3.25	7,483.42			
			18,508.57			
870.00	4,028.00	1,376.00	34,675.00	512.00	2,448.00	1,133.00
	.		1,300.00			
21,569.70	104,179.76	14,604.55	668,205.26	8,084.26	37,646.26	26,742.68
4,627.87	1,010.72	5,404.52	38,206.65	2,178.45	8,426.86	3,387.74
			1			
473 64	1,302 219	220 71	5,672 1,010	129 44	545 98	308 74
3	22	iī	172	i	27	6
540	1,543	302	6,854	174	670	388

	10		1	1	
Municipality	Chippawa	Clifford	Clinton	Cobden	Cobourg
Population	1,676	485	2,495	796	7,818
Earnings	\$	\$	\$	\$	\$
Domestic service	15,659.29 3,818.71 308.39 732.76 3,485.53	5,982.52 4,495.48 1,186.70 992.00	31,919.23 14,486.76 9,272.10 4,150.00 3,259.41	6,842.85 4,830.50 5,316.11 1,148.96	91,100.26 41,923.08 60,164.33 1,719.41 8,067.70
Merchandise	163.41	38.05	681.21	174.82	2,022.72
Total earnings	24,168.09	12,694.75	63,768.71	18,313.24	204,997.50
Expenses					
Power purchased		7,855.69		9,976.27	135,364.57
Substation maintenance Distribution system, operation and maintenance Line transformer maintenance Meter maintenance Consumers' premises expenses.	1,253.45 245.40 702.83 105.62	435.03 38.00 171.70 265.86	2,595.01 231.11 104.54 453.59	26.70	7,925.56 736.73 3,133.35 235.79
Street lighting, operation and maintenance. Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance.	1,097.15 1,134.64 1,084.35 101.48	174.94 416.39 155.12 17.28		793.28	9,185.02
Interest Sinking fund and principal payments on debentures		106.12 444.33			318.56 6,940.29
Depreciation	1,644.00	709.00	3,558.00	447.00	9,309.00
Other reserves					
Total operating costs and fixed charges		10,789.46	58,123.64	11,942.25	185,241.45
Net surplus	2,772.64	1,905.29	5,645.07	6,370.99	19,756.0
Net loss					
Number of Customers					
Domestic service	60	156 43 3	161	65	28:
Total	542	202	947	320	2,40

	1	1	1			
Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam	Courtright
1,127	620	7,367 -	545	421	520	545
			_			
\$	\$	\$	\$	\$	\$	\$
14,864.55 7,801.80	6,335.81 3,607.51	67,647.51 32,360.40	3,926.15 3,691.35	5,110.52 2,539.11	5,006.08 2,607.88	3,289.73 2,056.71
1,836.05 248.06	2,774.60	55,837.90 2,746.25	5,131.60		1,133.49	641.34
1,688.76 380.24	1,161.00	6,549.92 108.58	1,333.44	930.00	597.25	600.00
153.17	252.22	679.12	18.30	2.03	183.67	63.31
26,972.63	14,131.14	165,929.68	14,100.84	10,097.61	9,528.37	6,651.09
15,064.57	8,319.06	120,456.03		5,903.58	5,263.77	3,586.53
		508.97				• • • • • • • • • • • • • • • • • • • •
1,592.10 17.30	1,173.68 70.00	6,309.42 338.87	422.99 70.39	487.52	297.61 47.00	270.59
217.03 453.12	86.35 14.71	1,261.11 49.28	172.93	63.83	171.89	6.25
				150.04	100.00	
292.68	239.99	1,084.52	215.95		109.03	79.43
1,737.21 1,261.02	764.84 462.20	4,210.41 2,340.80	673.40 660.34	309.93 91.01	652.66 246.95	265.67 175.55
318.51 858.42	61.80	2,115.59 2,271.42	37.39	7.61	7.82	5.00
65.88			1.30			2.00
1,098.03	• • • • • • • • • • • • •					
789.00	1,083.00	7,358.00	847.00	693.00	523.00	441.00
23,764.87	12,275.63	148,304.42	11,266.54	7,712.72	7,319.73	4,832.02
3,207.76	1,855.51	17,625.26	2,834.30	2,384.89	2,208.64	1,819.07
257	100	0.005	150			
357 78	180 51	2,085 283	156 59	149 39	175 32	142 27
7	3	64	7	3	6	1
442	234	. 2,432	222	191	213	170

Municipality	Creemore	Dashwood	Delaware	Delhi	Deseronto
Population	738	399	347	2,557	1,517
Earnings	\$	\$	\$	\$	\$
Domestic service	7,168.10 3,751.09 1,316.74	5,914.59 2,284.92 1,605.59	4,503.23 2,039.76	27,584.86 25,157.88 9,627.95 1,760.03	8,308.53
Street lighting	768.00	720.00	326.47	4,251.51 871.96	2,319.48 943.46
Miscellaneous	104.35	99.94	59.06	1,075.58	197.18
Total earnings	13,108.28	10,625.04	6,928.52	70,329.77	36,844.69
Expenses					
Power purchased			5,368.50	33,660.76	17,568.14
Substation maintenance Distribution system, operation and			140.05		0.044.40
maintenanceLine transformer maintenance	506.30 14.99			279.98	26.84
Meter maintenance Consumers' premises expenses	172.04 12.85	25.26	30.65	1,274.26 904.90	
Street lighting, operation and maintenance	147.73	97.06	5.05	765.52 108.53	
Promotion of business				2,413.36	1,327.61
General office, salaries and expenses Undistributed expenses	8.04			2,707.33 940.76	1,521.71 253.13 806.45
Interest			1.50	1,704.33	
on debentures				4,453.52	
Depreciation	672.00	400.00	288.00	3,076.00	1,108.00
Other reserves					
Total operating costs and fixed charges	9,231.30	9,409.48	6,411.76	56,592.17	26,254.86
Net surplus	3,876.98	1,215.56	516.76	13,737.60	10,589.83
Net loss					
Number of Customers					
Domestic service	222 58 4	127 27 4	96 19	822 222 29	494 60 15
Total	284	158	115	1,073	569

Dorchester							
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Dorchester	Drayton	Dresden	Drumbo	Dublin	Dundalk	Dundas
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	557	518	2.070	334	203	811	6.787
6,016.74 7,474,45 15,504.38 4,775.27 3,039.30 7,118.57 64,562.99 1,869.16 4,294.42 15,486.59 2,459.36 2,113.85 5,652.34 32,687.03 2,219.23 2,128.37 16,296.50 1,410.15 1,964.43 4,621.96 65,823.76 96.09 1,172.50 960.00 3,179.92 650.00 627.00 1,235.00 7,708.50 177.21 149.37 2,973.18 277.00 44.68 460.06 564.25 11,454.84 15,006.61 54,780.44 9,580.29 7,789.26 19,087.93 172,280.62 6,855.39 7,862.32 30,512.77 5,520.60 4,843.47 12,795.27 113,091.48 81.44 37.75 508.61 11.90 3.24 1,052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 363.14 80.24 1,017.23 3,190.26 35.70 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00			2,010				
1,869,16 4,294,42 15,486,59 2,459,36 2,113,85 5,652,34 32,657,03 2,219,23 2,128,37 16,296,50 1,410,15 1,964,43 4,621,96 65,823,76 964,09 1,172,50 960,00 3,179,92 650,00 627,00 1,235,00 7,708,50 177,21 149,37 2,973,18 277,00 44,68 460,06 564,25 11,454,84 15,006,61 54,780,44 9,580,29 7,789,26 19,087,93 172,280,62 6,855,39 7,862,32 30,512,77 5,520,60 4,843,47 12,795,27 113,091,48 6,855,39 7,862,32 30,512,77 5,520,60 4,843,47 12,795,27 113,091,48 81,44 37,75 508,61 11,90 3,24 1,052,24 14,20 99,26 349,18 5,89 27,40 364,41 2,220,14 221,92 18,88 39,77 214,06 321,12 179,96 644,69 88,28 227,31 248,54 2,013,03 3,105,55 57,00 192,27 3,631,44 89,10 233,00 256,50 3,555,06	\$	\$	\$	\$	\$	\$	\$
2,219,23		7,474.45	15,504.38	4,775.27	3,039.30	7,118.57	64,562.99
1,172.50 960.00 3,179.92 650.00 627.00 1,235.00 7,708.50 177.21 149.37 2,973.18 277.00 44.68 460.06 564.25 11,454.84 15,006.61 54,780.44 9,580.29 7,789.26 19,087.93 172,280.62 6,855.39 7,862.32 30,512.77 5,520.60 4,843.47 12,795.27 113,091.48 67.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1,052.24 421.92 18.88 39.77 27.40 364.41 2,220.14 221.92 18.88 39.77 248.54 2,013.03 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 5.00 49.03 1,103.10 1,042.10 5.00 49.03 1,103.10 1,252.44		4,294.42 2,128.37	16,296.50	2,459.36 1,410.15	2,113.85 1,964.43	5,652.34 4,621.96	65,823.76
177. 21 149.37 2,973.18 8.51 277.00 44.68 460.06 564.25 11,454.84 15,006.61 54,780.44 9,580.29 7,789.26 19,087.93 172,280.62 6,855.39 7,862.32 30,512.77 5,520.60 4,843.47 12,795.27 113,091.48 2,311.94 67.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1,052.24 1,052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 223.01 248.54 2,013.03 248.54 2,013.03 248.79 2,013.03 248.79 2,013.03 375.22 1,017.23 3,196.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 3,555.06 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 50.00 49.03 1,103.10 1,838.28 605.00 <td>1,172.50</td> <td>960.00</td> <td></td> <td>650.00</td> <td>627.00</td> <td>1,235.00</td> <td>964.09 7,708.50</td>	1,172.50	960.00		650.00	627.00	1,235.00	964.09 7,708.50
6,855.39 7,862.32 30,512.77 5,520.60 4,843.47 12,795.27 113,091.48 2,311.94 667.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1.052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 10.00 1.00 1.00 1.00 1.00 1.00 1.	177.21	149.37	2,973.18	8.51 277.00	44.68	460.06	564.25
6,855.39 7,862.32 30,512.77 5,520.60 4,843.47 12,795.27 113,091.48 2,311.94 667.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1.052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 1.00 1.00 1.00 1.00 1.00 1.00 1.0	11,454.84	15.006.61	54,780.44	9,580.29	7,789.26	19,087.93	172,280.62
67.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1.052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 1,042.10 1,042.10 1,838.28 805.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34							-
67.39 570.54 1,454.65 167.36 268.80 1,521.11 11,916.39 81.44 37.75 508.61 11.90 3.24 1.052.24 14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 1,042.10 1,042.10 1,838.28 805.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34		1 8		- 1			
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81.44 37.75 508.61 11.90 3.24							
81.44 37.75 508.61 11.90 3.24	27.00						
14.20 99.26 349.18 5.89 27.40 364.41 2,220.14 221.92 18.88 39.77 214.06 321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 1,838.28 605.00 3.00 744.31 895.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34		570.54 37.75					
321.12 179.96 644.69 88.28 227.31 248.54 2,013.03 457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 5.00 3.00 1,838.28 605.00 3.00 5.00 5.00 885.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34	14.20	99.26	349.18	5.89			2,220,14
457.95 809.36 1,811.83 542.08 375.22 1,017.23 3,190.56 57.00 192.27 3,631.44 89.10 233.00 256.50 3,555.06 12.00 39.12 441.38 5.00 49.03 1,103.10 1,042.10 1,042.10 1,838.28 605.00 3.00 5,003.00 885.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34							
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12.00 39.12 441.38 1,042.10 1,042.10 1,838.28 605.00 3.00 1,838.28 805.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 34 81 244 3 5 21 2 8 50			1,811.83	542.08			
1,042.10 605.00 3.00 1,838.28 805.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 34 81 244 3 5 21 2 2 8 50			441.38				
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805.00 878.00 2,147.00 394.00 340.00 848.00 5,003.00 8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 34 81 244 3 5 21 2 2 8 50							• • • • • • • • • • • •
8,893.41 10,687.46 44,119.63 6,822.21 6,323.44 17,100.09 147,509.28 2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 34 81 244 3 5 21 2 2 8 50			744.31				
2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 81 244 3 5 21 2 8 50	805.00	878.00	2,147.00	394.00	340.00	848.00	5,003.00
2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 81 244 3 5 21 2 8 50							
2,561.43 4,319.15 10,660.81 2,758.08 1,465.82 1,987.84 24,771.34 198 196 602 120 64 249 2,232 35 56 156 34 34 81 244 3 5 21 2 8 50							
198 196 602 120 64 249 2,232 35 56 156 34 34 81 244 3 5 21 2 2 8 50	8,893.41	10,687.46	44,119.63	6,822.21	6,323.44	17,100.09	147,509.28
35 56 156 34 34 81 244 3 5 21 2 2 8 50	2,561.43	4,319.15	10,660.81	2,758.08	1,465.82	1,987.84	24,771.34
35 56 156 34 34 81 244 3 5 21 2 2 8 50				\			
35 56 156 34 34 81 244 3 5 21 2 2 8 50						7	
35 56 156 34 34 81 244 3 5 21 2 2 8 50							
35 56 156 34 34 81 244 3 5 21 2 2 8 50	198	196	602	120	64	249	2,232
	35	56	156	34	34	81	244
230 257 779 156 100 338 2,526				1			
	236	257	. 779	156	100	338	2,526

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Municipality	Dunnville	Durham	Dutton	East York Twp.
Population	4,384	2,293	863	62,301
Earnings	\$	\$	\$	\$
Domestic service. Commercial light service. Commercial power service. Municipal power.	26,219.07 27,061.47 31,610.83 3,165.00	17,967.06 13,900.90 6,995.31 967.55	5,427.02 3,911.86 4,291.92	723,116.55 88,557.81 129,285.60 6,953.19
Street lighting	5,266.74	1,978.20	1,201.62	42,330.01
Miscellaneous	912.28	186.56	248.73	950.69
Total earnings	94,235.39	41,995.58	15,081.15	991,193.85
Expenses				
Power purchased	63,015.41	22,462.69		624,115.87
Substation maintenance				9,510.90
maintenance Line transformer maintenance Meter maintenance	5,337.03 260.34 1,574.46	5,305.87 364.94 457.51	535.08 20.98 87.60	19,358.90 9,978.88 7,679.86
Consumers' premises expenses Street lighting, operation and main-	254.70	1,295.23	6.12	22,320.16
tenance	2,530.15 105.38	296.03	234.36	10,580.97
Billing and collecting	2,887.85 2,669.27 1,167.31	1,422.50 1,592.73 161.08	952.65 205.75 35.22	37,605.26 34,969.80
Truck operation and maintenance Interest Sinking fund and principal payments	1,599.73	708.28	1.70	23,675.06
on debentures	F 007 00	1.007.00	F04 00	
Depreciation		1,937.00	584.00	47,325.00
Other reserves				2,352.50
Total operating costs and fixed charges	89,171.41	36,003.86	12,596.89	878,473.16
Net surplus	5,063.98	5,991.72	2,484.26	112,720.69
Net loss				
Number of Customers				
Domestic service	1,282 273 33	562 126 18	254 6 4 10	16,736 754 108
Total	1,588	706	328	17,598

Elmira	Elmvale	Elmwood	Elora	Embro	Erieau	Erie Beach
2,547	821		1,365	448	404	59
\$	\$	\$	\$	\$	\$	\$
32,059.64 21,916.91 41,015.72	8,124.69 5,052.91 4,384.65	2,606.21 1,669.77 3,758.93	16,296.80 7,222.21 10,792.52	7,561.40 2,004.68 3,067.38	8,738.45 3,427.37 4,909.95	2,858.87 304.06
4,307.61 2,603.13	320.98 1,203.97	593.00	315.45 1,953.00	652.00	846.00	252.00
2,795.42	50.35	162.57	148.31 282.37	106.90	64.68	11.82
104,698.43	19,137.55	8,790.48	37,010.66	13,392.36	17,986.45	3,426.75
66,348.84	12,256.00	5,064.58	24,596.14	8,651.76	10,718.84	1,252.25
564.09						
4,112.56 449.37 397.78 9.73	882.77 101.29 249.50 50.47	249.48	3,466.95 28.74 208.02 6.43	25.98 207.01	730.50 87.16 82.82 68.71	160.10 23.61 79.09 3.00
348.82	247.42	69.71	622.78	132.64	222.91	39.59
4.00 1,802.45 2,548.74	631.27 248.15	279.57 141.00	1,331.52 578.45	669.88 233.66	852.56 730.22	327.49 247.22
854.11 399.78			·506.87 941.23 8.87	1.71		50.66
5,608.00 	1,108.00	532.00	1,183.00	505.00	1,069.00	185.00
						••••••
83,448.27	15,774.87	6,336.34	33,479.00	11,298.39	14,562.72	2,368.01
21,250.16	3,362.68	2,454.14	3,531.66	2,093.97	3,423.73	1,058.74
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	-					
710 145 27	241 69 10	100 21 3	418 72 8	42	268 20 4	119 5
882	320	124	498	200	292	124

Municipality	Erin	Essex	Etobicoke	Exeter
Population	638	2,782	Twp. 52,635	2,559
EARNINGS	\$	\$	\$	\$
EARNINGS	Φ	Φ	Φ	
Domestic service	9,290.52	23,343.29	748,543.39	37,413.42
Commercial light service	5,297.01 666.21	20,060.64 12,294.05	138,447.86 188,280.65	17,712.90 10,296.87
Municipal power		2,328.81	20,353.79	869.16
Street lighting	859.97	3,403.82	41,316.60	4,002.14 24.46
Miscellaneous		1,191.75	8,153.50	631.16
Total earnings	16,113.71	62,622.36	1,145,095.79	70,950.11
Expenses				
Power purchased	8,826.95	34,715.19	784,812.63	47,939.13
Substation operation			1 482 76	
Distribution system, operation and				
maintenance	489.66	3,302.48 640.40	46,645.94 17,548.25	2,347.87 555.71
Meter maintenance		467.45	6,991.61	101.43
Consumers' premises expenses		497.25	36,218.64	1,410.29
tenance	228.93		7,328.86	783.77
Promotion of business	787.54	73.80 2,166.33	56,333.12	3,153.47
General office, salaries and expenses.	286.27	3,870.05	29,247.77	3,065.98
Undistributed expenses Truck operation and maintenance	5.20	981.53 1,036.15		100.46 1,012.18
Interest	471.20	300.75	25,817.24	
Sinking fund and principal paymentson debentures	725.00	1,249.67	21,100.00	
Depreciation	474.00	3,899.00	49,392.00	3,532.00
Other reserves			500.00	
Total operating costs and fixed		-0.000.01	1 000 110 33	04.000.00
charges	12,416.05		1,083,418.82	64,002.29
Net surplus	3,697.66	8,738.55	61,676.97	6,947.82
Net loss				
Number of Customers				
Domestic service	242	784	16,548	807
Commercial light service	61	162	974 177	160
Power service	2	27		25
Total	305	973	17.699	992

Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill	Frankford
3,411	371	484	1,467	1,793	16,374	1,398
\$	\$	\$	\$	\$	\$	\$
42,838.86 17,468.91 31,876.54 1,152.51	4,334.29 2,724.89 2,660.74	4,474.65 3,411.31 989.74	18,258.67 4,331.13 1,418.55 417.32	26,400.80 15,247.44 7,040.90 1,445.65	286,038.43 65,978.23 6,603.78 426.73	15,258.04 6,656.48 1,317.86
4,882.93	507.00	822.00	2,015.10	3,160.00	13,280.52	1,308.63
687.56	236.17	279.14		1,112.89	5,761.69	57.72
98,907.31	10,463.09	9,976.84	26,440.77	54,407.68	378,089.38	24,598.73
3		-				
68,771.41	5,644.18	5,214.11	15,489.65	30,835.02	230,759.65	10,923.29
57.09					2,067.30	
4,737.02 397.85 1,065.27 30.95	440.54 42.78 104.90	637.62	1,758.50 8.00 93.65 706.85	31.98 100.16	13,417.99 683.39 5,304.35 20,096.39	963.02 3.50 833.89
727.49	92.21	111.37	476.56	587.24	1,898.23	146.09
4.43 2,173.84 1,988.15 232.54	522.57 170.53	321.45 256.10 16.04	1,120.75 841.43 15.97	1,581.11 2,323.00 306.20	10,725.99 16,435.16	1,481.50 962.51
1,082.73			122.60	349.82	4,552.66	543.85
			400.00		15,947.80	2,000.00
4,064.00	534.00	620.00	1,268.00	1,653.00	23,786.00	818.00
					270.00	
85,332.77	7,551.71	7,337.07	22,301.96	42,773.01	345,944.91	18,675.65
13,574.54	2,911.38	2,639.77	4,138.81	11,634.67	32,144.47	5,923.08
			. :			
974 133 18	126 34 6	152 53 2	417 55 7	595 146 - 22	4,559 397 44	360 74 6
1,125	166	207	479	763	5,000	440
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	1			1
Municipality	Galt	Georgetown	Glencoe	Goderich
Population	19,362	3,503	976	4,963
EARNINGS	\$	\$	\$	\$
Domestic service Commercial light service Commercial power service Municipal power Street lighting Merchandise Miscellaneous	210,847.11 101,984.71 247,716.68 8,304.13 31,759.00 8,989.73 3,046.73	51,270.79 17,994.46 50,760.95 3,433.21 3,732.10	10,071.11 2,650.76 1,122.16 2,517.41	34,840.12 31,680.62 3,781.37 7,039.50 1,589.95
Total earnings	612,648.09	127,774.86	24,656.58	151,977.66
Expenses				
Power purchased	436,880.56 12,385.99 2,215.56	89,651.96 289.11	13,510.95	92,036.53 2,303.49
Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses.	19,009.20 537.37 4,667.30 1,537.56	- 6,282.64 1,133.82 1,741.73 2,121.77	1,078.66 148.32 109.96 54.89	12,360.49 414.23 677.83 925.30
Street lighting, operation and maintenance.	5,838.66	947.04	285.36	1,619.64
Promotion of business	4,618.04	4,253.57 4,198.27	992.23 1,450.17 114.65 478.34	4,728.90 4,187.60 1,977.37 844.92 266.28
Sinking fund and principal payments on debentures	1,250.00			1,110.82
Depreciation	28,363.00	5,136.00	1,179.00	6,398.00
Other reserves	780.04	250.00		
Total operating costs and fixed charges	557,816.89	116,005.91	19,402.53	129,851.40
Net surplus	54,831.20	11,768.95	5,245.05	22,126.26
Net loss				
Number of Customers				1
Domestic service	5,496 653 175	1,184 171 32	315 94 11	1,624 301 48
			420	1,973

Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville	Hamilton
638	263	2,901	2,685	27,140	1,718	201,296
\$	\$	\$	\$	\$	\$	\$
6,652.79 3,872.74	3,918.14 1,278.28	30,212.30 17,894.49	24,937.84 17,371.28	289,432.51 115,496.09	13,211.46 11,865.26	1,830,720.74 956,140.96
4,387.52	194.57	19,472.90 1,161.16	10,867.54 2,681.40	248,336.39 20,745.18	27,992.41 1,015.55	4,048,248.49 106,848.05
1,157.00 3.44	450.94	3,153.96 122.08	3,014.95	29,506.28	2,926.44	182,323.79 406.85
334.31	5,841.93	1,193.73 73,210.62	1,101.32 59,974.33	475.23 703,991.68	1,248.06 58,259.18	$\frac{169,025.66}{7,293,714.54}$
10,407.80	5,041.93	73,210.02	39,974.33	703,991.00	30,239.10	7,293,714.54
10,931.13	3,514.52	53,552.16	43,681.00	469,340.86 7,145.64	40,991.65	163,000.69
· · · · · · · · · · · · · · · ·		66.92			42.05	22,791.64
933.37	165.93 237.89	4,712.12 502.80	4,630.90	23,928.04 1,878.31	5,263.41 239.93	152,903.02 23,353.07
178.63	3.85	640.27 5.21	240.96	7,851.86 2,355.88	554.90 26.80	75,346.07 58,089.86
283.08	1.55	553.77	687.18	5,873.50	169.55	38,138.80 20,454.45
835.71 261.30	452.29 165.65	2,732.95 2,078.01	3,118.88 1,898.76	10,311.98 9,676.56	1,908.84 1,325.59	201,140.23 154,887.07
11.23		795.81 413.78	25.00	8,809.04	884.32 684.23	29,797.93
				2,850.00	1.43	20,000,04
717.00	322.00	3,926.00	2,968.00	5,000.00 36,526.00	1,410.00	33,333.34 271,118.14
717.00	322.00	3,320.00	2,508.00	30,320.00	1,410.00	271,110.14
14,151.45	4,863.68	69,979.80	57,250.68	591,547.67	53,502.70	
2,256.35	978.25	- 3,230 . 82	2,723.65	112,444.01	4,756.48	576,602.18
100						
230 63	90 26	971 173	870 161	7,034 840	492 142	53,355 6,720
11	1	22	20	182	23	1,308
304	117	1,166	1,051	8,056	657	61,383
* Includes	1951 Cost A	dinetment				

^{*} Includes 1951 Cost Adjustment.

Municipality	Hanover	Harriston	Harrow	Hastings	Havelock
Population		1,555	1,532	825	1,254
- Optiation	3,045		1,332	625	1,254
EARNINGS	\$	\$	\$	\$	\$
Domestic service	45,319.61 18,267.38 41,707.42	16,918.89 10,402.99 13,294.86	14,500.10 9,392.98	8,795.89 5,372.97 444.04	11,993.24 6,389.96 2,036.77
Municipal power	169.56 3,037.66	438.35 1,700.69	1,882.48	1,690.66	2,006.53
Merchandise	3,228.62	322.92 36.13	652.04	207.98	401.77
Total earnings	111,730.25	43,114.83	52,056.40	16,511.54	22,828.27
Expenses	-	1			
Power purchased	70,905.76	28,407.57	32,248.48	8,400.75	10,508.67
Substation maintenance Distribution system, operation and					
maintenance	6,548.88	1,895.37	3,138.73	200.84	376.93
Line transformer maintenance Meter maintenance	242.53 1,001.24	64.52 410.27 3,465.56	45.47 409.47	51.78	127.81
Consumers' premises expenses Street lighting, operation and maintenance	402.56	227.05	204.61 778.23	431.49	304.54
Promotion of business			4.00		
Billing and collecting	2,611.42 3,091.14 1,090.93	2,008.42 876.13 183.28	3,721.56 240.23	1,528.28 1,088.49	1,326.05 2,224.26 13.64
Truck operation and maintenance	1,729.23 2.19	72.78		91.61	13.04
Interest	2.19	01.25		1,665.66	
	4.952.00	0.047.00	0.107.00		
Depreciation	4,253.00	2,247.00	2,197.00	1,188.00	905.00
Other reserves					
Total operating costs and fixed charges	91,878.88	39,925.20	42,987.78	14,646.90	15,786.90
Net surplus	19,851.37	3,189.63	9,068.62	1,864.64	7,041.37
Net loss					
Number of Customers					
Domestic service	1,061 179 33	455 118 16	446 114 8	326 61 4	339 67 2
Total	1,273	589	568	391	408

Hensall 676	Hespeler 3,799	Highgate 351	Holstein 179	Humber- stone 3,722	Huntsville 3,192	Ingersoll 6,533
\$	\$	\$	\$	\$	\$	\$
8,976.11 5,335.94 6,316.35 443.17 1,128.00	39,770.11 14,363.70 103,579.11 2,998.79 6,649.00	2,645.94 1,353.97 2,401.49	1,895.80 557.34 768.19	21,748.47 11,113.56 9,021.53 2,439.96	33,855.06 29,373.21 20,036.77 1,717.51 3.672.00	65,329.91 35,994.21 72,042.24 7,411.43 6,455.58
248.77	2.570.34	164.34	129.09	19.57	191.26 76.95	3,340.06
22,448.34	169,931.08	7,325.74	3,425.42	44,343.09	88,922.76	190,573.43
13,763.43		4,695.46	1,708.03	23,515.54	71,075.06	131,755.56 412.83
838.10 47.10 26.96	1,061.99 6,341.55 215.86 792.24 253.63	52.30 12.78	141.89	2,722.50 237.68 568.32	6,051.07 129.40 1,439.06 142.95	11,246.40 340.96 2,398.24 1,750.76
207.17	927.15	85.38	50.50	732.90	1,385.34	911.07
440.92 781.30 116.30	2,642.27 2,613.55 1,328.21 1,495.34		204.72 126.79	2,849.75 1,503.04 786.94 846.68		111.01 5,629.95 7,139.30 2,435.47 2,572.09 230.87
901.00	5,372.00	431.00	255.00	2,581.00	2,849.00	7,722.00
17,122.28	138,864.49	5,948.87	2,688.49	36,344.35	90,728.63	174,656.51
5,326.06	31,066.59	1,376.87	736.93	7,998.74		15,916.92
		J			1,805.87	
		1		-		
236 61 18	1,017 117 35	117 29 7	73 18 1			1,853 265 49
315	1,169	. 153	92	1,128	1,088	2,167

Municipality	Iroquois	Jarvis	Kemptville	Kincardine
Population	1,067	645	1,545	2,665
Earnings	\$	\$	\$	\$
Domestic service	13,412.16 5,107.22 1,282.99 1,078.25 1,589.00	4,180.47 3,818.44 4,287.29 858.00	18,897.54 9,538.85 13,822.32 1,369.53 1,927.00 57.20	29,935.02 15,883.89 21,551.98 1,444.77 5,269.22
Miscellaneous	335.03	303.63	425.83	1,006.44
Total earnings	22,804.65	13,447.83	46,038.27	75,091.32
Expenses				
Power purchased		8,043.43	29,569.79	44,714.82 1,076.92 93.16
Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses.	279.42 341.79	127.31	3,065.45 143.70 1,515.27 8.60	2,651.43 217.77 704.84 1,713.98
Street lighting, operation and maintenance	513.37	92.53	180.61	816.57
Promotion of business. Billing and collecting. General office, salaries and expenses. Undistributed expenses. Truck operation and maintenance. Interest. Sinking fund and principal payments on debentures.		64.77	2,033.51 937.08 186.54 360.83 121.99	1,809.63 1,618.74 1,134.03 133.59 1.00
Depreciation	738.00	588.00	1,909.00	4,041.00
Other reserves				
Total operating costs and fixed charges	22,115.08	10,328.10	40,032.37	60,727.48
Net surplus	689.57	3,119.73	6,005.90	14,363.84
Net loss				
Number of Customers				
Domestic service	356 64 7	177 46 5	478 95 14	868 154 24
Total	427	228	587	1,046

Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark
42,437	2,552	191	48,773	1,760	1,080	775
\$	\$	\$	\$	\$	\$	\$
427,149.64	28,749.76	1,955.22	528,558.76 273,014.14	16,711.72 11,912.06	16,928.07 2,517.56	6,316.84 4,378.31
254,027.32 235,815.44	19,556.40 6,563.12	2,034.05	749,286.10	18,396.08	1,038.06	598.04
17,173 . 84 29,400 . 23	1,239.99 3,130.56	432.00	50,745.59 54,063.58	2,015.61	695.52 1,082.67	780.00
11,653.75	1,470.98	90.00	4,972.99	830.19	257.10	187.19
975,220.22	60,710.81	4,511.27	1,660,641.16	49,865.66	22,518.98	12,260.38
620,707.17 13,618.65	35,436.21	2,257.09	1,082,002.19 21.934.42	26,875.82	13,088.53	5,608.16
5,258.98			11,370.44			
34,658.03 2,171.67	4,023.38 474.32	299.70	57,228.23 6,381.74	2,008.87 51.14	451.25 258.57	203.90 2.00
12,637.33	740.63 7.75	66.27	19,650,91 4,128.19	337.68	19.25 70.17	165.20
7,007,09		C7 05	Í	400.07		101 00
7,007.83 708.02	839.58	67.05	12,143.35 725.19	406.87	366.59	181.22
22,730.34 55,974.27	3,302.15 2,509.56	235.38 89.25	28,118.28 37,690.10	2,488.61 2,204.73	1,615.76 77.80	649.63 183.77
42,460.20 10,388.04	948.79 487.66		605.00	288.22 822.83		
	561.78		5,861.69		427.50	
	1,927.75		22,200.00		980.27	
60,867.00	2,107.00	222.00	74,861.00	1,302.00	1,130.00	656.00
889,187.53	53,366.56	3,236.74	1,384,900.73	36,786.77	18,485.69	7,649.88
86,032.69			• 275,740.43	13,078.89	4,033.29	4,610.50
00,032.09	7,344.23	1,274.55	213,140.43	13,070.09	4,055.29	4,010.30
9,982		56		487	370	235
1,228 199	195 24	26	1,354 373	97	33	$\begin{array}{c} 47 \\ 2 \end{array}$
11,409	1,070	82	13,280	595	410	284

	1	1			
Municipality	Lancaster	La Salle	Leaming-	Lindsay	Listowel
Population	568	1,892	ton 7,541	9,504	3,443
EARNINGS	\$	\$	\$	\$	\$
Domestic service. Commercial light service. Commercial power service. Municipal power	2,566.27	7,156.13 1,050.31	60,430.86 35,054.86 50,741.09 1,310.80	64,044.25 66,604.33 3,721.02	1,746.53
Street lighting. Merchandise. Miscellaneous.	524.50		9,632.56	9,068.01 544.45 823.61	5,772.42 267.07 607.44
Total earnings	7,064.08	40,685.50	157,684.99	254,585.02	102,885.87
Expenses					
Power purchased				165,471.75	68,275.14 937.23
Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and main-	274.10	1,628.62 251.86	963.16 1,704.46	5,958.35 1,283.56 2,539.17	4,541.85 298.62 924.44 604.56
Street lighting, operation and maintenance. Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance. Interest. Sinking fund and principal payments on debentures.	518.70 194.22	1 000 70	1,875.32 63.32 4,933.34 7,188.09 1,908.96 1,648.22 18.41	8,569.54 14,850.12 5,675.99 2,237.87	934.35 42.71 2,831.99 2,457.91 1,048.45 434.13 4.41
Depreciation		2,108.00	8,103.00	9,754.00	3,654.00
Other reserves			100.00		
Total operating costs and fixed charges	6,241.06	30,022.48	143,494.81	222,761.29	86,989.79
Net surplus	823.02	10,663.02	14,190.18	31,823.73	15,896.08
Net loss					
Number of Customers					
Domestic service. Commercial light service. Power service.	32		2,134 389 53	2,719 437 79	1,047 188 35
Total	170	547	2,576	3,235	1,270

London	London	Long	Lucan	Lucknow	Lynden	Madoc
95,612	Twp. (V.A.) 3,200	Branch 8,520	875	857	434	1,291
			- 010		707	1,201
\$	\$	\$	\$	\$	\$	- \$
936,450.95	36,200.95	83,549.44	11,912.15	9,346.79	5,334.74	13,423.42
430,642.76 725,970.24	4,639.13 1,450.52	23,704.44 34,679.35	5,173.73 1,354.34	5,558.04 8,673.90	1,138.73 1,613.21	10,338.46 9,445.04
43,385.32 57,642.31	1,419.74	2,210.31 8,475.38	1,636.02	536.82 2,322.17	500.00	2,587.55
4,112.89 38,436.30	145.08	1,826.95	351.76	666.47	126.64	33.50
2,236,640.77	43,855.42	154,445.87	20,428.00	27,104.19	8,713.32	35,827.97
				1		
1,426,856.19		109,393.40	13,003.47	17,584.64	5,868.44	18,687.37
80,865.76						
74,602.30	1,004.87	4,594.72	821.33	1,713.84	48.76	1,607.78
21,131.27 23,839.02	137.44 32.95	1,195.54 615.54	55.64 .84		51.03	130.19 867.53
167,383.21	441.12	622.85	837.46	135.73		103.49
24,136.74 1,789.12	640.72	2,412.23	257.61	290.74	108.50	924.62
54,717.95	3,128.84	12,154.69	992.06	1,611.73	327.23	1,749.70
115,173.00	326.55	6,372.24	543.66 75.20	921.58 67.18	300.62	1,098.90 526.52
3.873,14 21,011.64	24.05	1,026.92		418.87 9.59		7.32
21,011.04	24.03	1,020.32		9.09		1.02
119,270.00	2,184.00	5,727.00	724.00	1,251.00	555.00	1,273.00
14,863.09		250.00				
0.1.0.510.40						00.070.40
2,149,512.43	38,400.86	144,365.13	17,311.27	24,004.90	7,259.58	26,976.42
87,128.34	5,454.56	10,080.74	3,116.73	3,099.29	1,453.74	8,851.55
,						
	-					
25,012 2,491	775 26	2,280	249 61	343 98	132 17	393 115
423	4	231 28	4	11	3	9
27,926	805	2,539	314	452	152	517
						1.0

Municipality	Magnet- awan*	Markdale	Markham	Marmora	Martin- town
Population	221	982	1,715	1,117	125
Earnings	\$	' \$	\$	\$	\$
Domestic service	721.16	7,469.93 6,325.03 2,855.19	20,365.41 7,808.65 4,694.98	9,174.07 6,256.75 1,208.95	1,989.88 1,948.02
Municipal power	201.65	345.06 1,350.00	427.63 1,786.00	2,245.00	253.00
Miscellaneous		144.79	433.99	262.84	80.78
Total earnings	1,772.11	18,490.00	35,516.66	19,147.61	4,271.68
Expenses				- 1	
Power purchased	736.45	10,854.78	21,801.96	10,525.43	
Substation maintenance					
maintenance	75.58	644.27 137.60	1,713.57 142.90	1,671.90 36.90	
Line transformer maintenance Meter maintenance Consumers' premises expenses		22.44 36.60	87.84		88.91
Street lighting, operation and maintenance	18.11	564.78	324.89	213.06	80.00
Promotion of business	148.68 105.65	943.53 306.30	1,698.08 578.37	669.24	83.02
Truck operation and maintenance					
InterestSinking fund and principal payments on debentures					
Depreciation	389.00	1,014.00	1,765.00	935.00	242.00
Other reserves					<u> </u>
Total operating costs and fixed charges	1,473.47	14,524.30	28,138.23	16,052.21	3,443.40
Net surplus	298.64	3,965.70	7,378.43	3,095.40	828.28
Net loss					
Number of Customers					
Domestic service	20	273 86 7			28
Total	86	366	586	365	102
* 5 months' operation			-		

^{* 5} months' operation

Maxville	Meaford	Merlin	Merrickville	Merritton	Midland	Mildmay
776	3,169	635	950	4,783	7,257	850
\$	\$	\$	\$	\$	\$	\$
6,745.25 4,197.04	32,161.42 19,487.85 20,073.08	4,023.70 4,067.23 2,050.61	9,502.48 4,413.06 5,219.41	51,088.26 12,501.10 326,500.29	67,555.00 29,582.57 97,159.71	7,908.57 4,950.32 1,433.87
1,104.00	1,101.96 3,874.99	952.00	414.42 1,479.96	2,288.90 5,692.00	3,265.74 6,791.00	172.95 849.00
279.95	597.39 983.49	1,304.78	8.41	2,434.67	94.80 6,073.18	204.31
12,326.24	78,280.18	12,398.32	21,037.74	400,505.22	210,522.00	15,519.02
	9					
6,907.32	47,853.27	6,165.39	10,022.62	290,412.75 546.02	152,624.63 5,882.94 127.33	8,726.57
1,358.32 68.45	5,445.49 341.43	340.22 22.67	768.06	8,867.82	6,834.22	802.60
544.29	873.66 333.06	48.60 184.48	158.41 214.71 51.66	997.06 114.14	1,372.24 2,399.30 110.17	376.77 3.91
533.27	612.41	112.13	275.89	1,045.73 95.00	1,578.76 23.10	242.13
541.31 154.72 79.92	2,238.04 1,951.61 734.91	631.92 1,002.14	892.14 507.55	5,483.38 6,338.77 2,518.99	3,817.01 9,751.74 3,332.26	555.14 372.02 30.44
	900.51		875.00	968.23	1,944.02	100.77
			900.00			982.50
734.00	3,175.00	1,099.00	686.00	8,004.00	11,724.00	624.00
• • • • • • • • •						
10,921.60	64,459.39	9,606.55	15,352.04	325,391.89	201,521.72	12,816.85
1,404.64	13,820.79	2,791.77	5,685.70	75,113.33	9,000.28	2,702.17
		-		1	- 13	
206 51	1,019 190 27		57	1,276 95 22	2,064 244 59	230 - 65 8
257	1,236	213	326	1,393	2,367	303

Municipality	Millbrook	Milton	Milverton	Mimico	Mitchell
Population	739	2,460	1,062	11,503	1,951
Earnings	\$	\$	\$	\$	\$
Domestic service . Commercial light service . Commercial power service . Municipal power . Street lighting . Merchandise . Miscellaneous .	1,135.92	29,601.57 14,638.43 41,671.69 1,018.02 3,754.31 148.54 522.88	12,482.74 8,253.27 9,249.02 534.66 1,334.34 121.68 133.35	136,232.93 34,640.67 24,139.39 9,866.27 10,389.17 4,640.22	29,765.50 14,228.14 15,404.42 2,292.77 4,040.83 1,381.63 1,489.38
Total earnings	15,910.55	91,355.44	32,109.06	219,908.65	68,602.67
Expenses					
Power purchasedSubstation operation	8,350.33	64,136.10	23,451.97	118,373.64	37,984.98
Substation maintenance. Distribution system, operation and		47.76		760.06	1,545.94
maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and main-	165.21 1.55 179.25	2,913.51 83.65 1,015.79 1,101.45	114.17 165.71	133.41 302.03	4,033.47 539.28 613.10 2,284.66
tenance Promotion of business	234.79	913.22	220.30	2,538.50	673.01
Billing and collecting. General office, salaries and expenses Undistributed expenses Truck operation and maintenance. Interest Sinking fund and principal payments on debentures.	1,700.99 1,409.66	271.05	781.37 48.68 234.61	8,792.60	1,598.39 1,989.96 1,978.67 1,022.35 186.50
Depreciation	526.00	5,174.00	1,252.00	13,211.00	2,611.00
Other reserves					
Total operating costs and fixed charges		84,903.90	29,062.64	174,189.86	57,061.31
Net surplus	3,335.02	6,451.54	3,046.42	45,718.79	11,541.36
Net loss					
Number of Customers					
Domestic service. Commercial light service. Power service.	. 61		l 87	251	129
Total	314	900	419	3,447	765
	-		1		

Moorefield 278	Morrisburg	Mount Brydges 637	Mount Forest 2,170	Napanee 3,803	Neustadt 462	Newboro 309
\$	\$	\$	\$	\$	\$	\$
2,622.90 1,653.61 1,368.44	19,158.65 13,097.10 6,924.65	5,277.62 1,611.39 934.98	21,846.35 15,412.46 11,173.45	50,260.17 35,203.71 21,740.32	3,825.57 2,327.97 1,222.70	3,685.37 1,811.49
350.00	1,498.80 3,343.75	940.53	909.04 2,695.81	898.95 4,430.45 5,997.81	644.00	759.96
61.24	1,542.11	173.93	738.28	430.44	462.92	
6,056.19	45,565.06	8,938.45	52,775.39	118,961.85	8,483.16	6,256.82
4,066.22	24,252.09 3,097.04	6,516.31	32,890.52	70,315.11	3,705.42	2,574.74
45.22 8.00 112.70	1,315.19 350.00 784.13	407.27 1.78 3.90 6.93	2,238.03 104.86 430.71	4,184.57 114.52 1,054.81 2,079.83	126.45 82.04	57.71 72.20 12.17
53.38	918.03	182.82	497.99	1,036.65	33.34	80.17
207.84 62.76 5.00	2,439.67 2,091.04 1,031.55	1,059.36 38.58	1,804.09 454.08 179.43	4,017.37 10,016.42 1,565.28	837.15 481.16 30.18	292.80 93.04
	903.44	2.15	899.10 1.25	215.50 100.93		493.06 651.65
216.00	1,384.00	802.00	1,422.00	4,185.00	568.00	. 388.00
4,777.12	38,566.18	9,021.10	40,922.06	98,885.99	5,866.75	4,715.54
1,279.07	6,998.88	• • • • • • • • • • • • • • • • • • • •	11,853.33	20,075.86	2,616.41	1,541.28
		82.65				
				d.		
84 38 2	522 149 35	210 50 6		240	. 148 35 . 3	83 17
124	706	. 266	809	1,399	186	100

Municipality		Newbury	Newcastle	New Hamburg	New- market
Population	453	289	895	1,726	5,244
Earnings	\$	\$	\$	\$	\$
Domestic service	448.41	3,257.49 1,452.50 260.77	10,730.34 5,082.90 7,097.79	21,022.24 10,882.07 12,740.66	58,997.22 30,842.47 35,254.32
Municipal power Street lighting Merchandise	537.50	720.00	1,502.94	2,232.90 842.67	2,196.50 7,527.50 36.06
Miscellaneous	2.85	197.02	318.50	368.33	67.08
Total earnings	8,006.93	5,887.78	24,732.47	48,088.87	134,921.15
Expenses					
Power purchasedSubstation operation	4,140.48	3,421.28	15,006.20	32,674.54 387.56	92,523.02
Substation maintenance. Distribution system, operation and					222.90
maintenanceLine transformer maintenance Meter maintenance	105.50 26.76 81.04		428.41	1,786.86 47.60 520.56	7,848.96 1,362.99 751.60
Consumers' premises expenses Street lighting, operation and maintenance	30.06	145.63	185.54 401.08		1,998.11
Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance	606.41 235.25	234.39 195.30 2.24	1,541.07 867.19 291.59 217.35	537.03	
Interest	520.00			1.25	
Depreciation	595.00	354.00	752.00	2,179.00	6,216.00
Other reserves					318.00
Total operating costs and fixed charges	7,340.50	4,638.28	21,490.70	42,723.13	123,735.21
Net surplus	666.43	1,249.50	3,241.77	5,365.74	11,185.94
Net loss					
Number of Customers					
Domestic service. Commercial light service. Power service.	23	22	286 42 10	119	1,550 250 43
Total	151	117	338	600	1,843

		1				
New Toronto	Niagara	Niagara Falls	North York Twp. 80,771	Norwich	Norwood	Oakville
11,072	2,160	22,686	80,771	1,380	951	6,691
\$	\$	\$	\$	\$.	\$	\$
101,252.52	37,932.32	201,625.18			10,265.48	71,419.35
52,262.81 316,248.13	11,986.08 2,169.86	142,717.03 159,009.48	226,050.41 222,944.15	9,535.66 3,131.50	5,564.72 4,561.42	53,535.96 79,203.99
13,739.66 9,746.04	961.72 4,696.08	18,702.58 44,058.06	21,489.99 31,987.85	496.21 2,530.50	236.96 1,989.15	6,300.07 5,793.09
	1,452.03			530.00		
6,960.82	165.81	5,858.41	6,505.29	377.54	496.47	
500,209.98	59,363.90	571,970.74	1,892,702.92	34,332.57	23,114.20	216,252.46
					- 1	
4						
361,283.27	30,866.05	319,658.92	1,145,897.64	23,323.08	12,690.08	129,994.69
	160.60	18,094.27	6,332.52			221.16
10,817.43	3,060.40	30,198.21	130,776.86	4.342.85	573.24	5.398.27
2,020.98	393.74	2,054.31	15,692.97	30.25		1,140.25
3,539.97 70.40	788.70 40.94	11,233.74 9,286.15	8,683.84 5,811.89	149.32 1,430.35	128.04	879.64 896.11
2,490.51	853.50	4,778.85	8,512.92	399.40	539.96	2,210.53
7,237.80	2,133.96	18,341.67	83,608.93	1,021.71	1,031.92	8,733.95
16,579.40	2,096.91 877.73	22,435.29 11,028.59	43,830.95	1,094.34 231.21	1,438.00	14,749.34
	749.45	4,336.18	96.616.60	239.11		701.32
	168.00		86,616.69	148.97		701.52
	1,200.00		84,577.17			
11,917.00	4,166.00	42,982.00	89,834.00	1,476.00	1,105.00	6,419.00
500.00			4,635.00			4,140.83
416,456.76	47,555.98	494,428.18	1,714,811.38	33,886.59	17,506.24	175,485.09
83,753.22	11,807.92	77,542.56	177,891.54	445.98	5,607.96	40,767.37
					•	
2,430	868	5,822	26,036	463	278	1,890
296 68	112 13	982	1,437	98	76 5	274 78
		154	207	11		
2,794	993	6,958	27,680	572	359	2,242

Municipality	Oil Springs	Omemee	Orange-	Orono	Oshawa
Population	448	750	ville 3,302	719	40,727
Earnings	\$	\$	\$	\$	\$
Domestic service. Commercial light service. Commercial power service. Municipal power. Street lighting.	1,972.92 5,390.36 188.00		9,122.21 777.01	3,443.96	524,904.05 186,565.53 619,532.54 17,664.63 44,786.57
Merchandise Miscellaneous		243.11	226.74 1,540.54	250.21	
Total earnings	12,088.09	13,963.29	74,872.62	14,750.82	1,420,867.69
Expenses				-	
Power purchasedSubstation operation				6,572.53	950,123.53 3,265.75
Substation maintenance. Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and main-	762.64 34.51 11.46	1,052.71 130.68 433.35	3,378.12 257.91 701.68	216.76	939.46
tenance. Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance. Interest. Sinking fund and principal payments	761.03 466.00	782.60 257.24 49.95	2,826.90 1,398.81	1,118.26 1,753.49 152.69	425.20 30,929.65 35,583.11
on debentures		010.00	0.700.00		40.001.00
Depreciation Other reserves			3,736.00	550.00	43,201.00
Total operating costs and		••••••			
fixed charges	10,086.80	11,724.86	60,400.43	11,041.50	1,143,738.71
Net surplus		2,238.43	14,472.19	3,709.32	277,128.98
Net loss					
Number of Customers	•				
Domestic service	130 38 33	226 40 6	929 225 32	238 43 3	
Total	201	272	1,186	284	12,157

Ottawa Otterville 195,067 Owen Sound 16,898 Paisley 729 Palmerston 1,570 Paris 5,274 Parkhill 975 \$							
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris	Parkhill
2,380,510,89	195,067	588	16,898	729	1,570	5,274	975
1,918,865,43 2,967,55 102,681,47 5,125,93 10,915,33 16,574,74 8,094,58 5563,76,58 752,81 129,423,68 2,201,57 9,192,91 35,390,96 5,174,81 150,240,56 114,46 249,58 1,304,25 1,190,86 714,26 119,416,92 950,50 14,802,36 1,734,30 2,918,04 7,013,00 2,410,92 2,513,519,38 174,72 3,593,06 147,17 698,13 752,06 57,84 5,232,929,76 11,371,55 435,014,21 18,249,36 45,138,52 108,699,22 30,485,21 2,523,534,09 7,613,35 267,170,50 9,715,11 26,917,10 74,057,43 18,393,76 337,183,06 10,277,48 378,56 1,228,19 1,328,19 1,701,65 213,077,91 621,78 14,105,02 1,149,90 1,546,08 4,688,80 1,701,65 34,836,95 146,93 2,797,42 209,37 866,22 1,355,73 137,20 26,977,36 112,14 7,019,94 6,48 281,24 211,18 317,30 30,973,33 134,67 3,894,07 431,5	\$	\$	\$	\$	\$	\$	\$
134,416.92 950.50 14,802,36 1,734,30 2,918.04 7,013.00 2,410.92 53,519.38 174.72 3,593.06 147.17 698.13 752.06 57.84 5,232,929.76 11,371.55 435,014.21 18,249.36 45,138.52 108,699.22 30,485.21 2,523,534.09 7,613.35 267,170.50 9,715.11 26,917.10 74,057.43 18,393.76 337,183.06 10,277.48 10,277.48 1,328.19 1.328.19 1.328.19 1.328.19 1.328.19 1.328.19 1.328.19 1.328.19 1.328.19 1.379.10 621.78 14,105.02 1,149.90 1,546.08 4,688.80 1,701.65 54,836.95 146.93 2,266.40 16.18 291.52 625.32 137.63 54,836.95 146.93 2,797.42 209.37 866.22 1,355.73 137.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 9,37.99 457.96 47.95 41 887.65 1,589.20	1,918,865.43 595,376.58	2,967.55 752.81	102,681.47 129,423.68	5,125.93 2,201.57	10,915.33 9,192.91	16,574.74 35,390.96	8,094.58 5,174.81
53,519.38 174.72 3,593.06 147.17 698.13 752.06 57.84 5,232,929.76 11,371.55 435,014.21 18,249.36 45,138.52 108,699.22 30,485.21 2,523,534.09 7,613.35 267,170.50 9,715.11 26,917.10 74,057.43 18,393.76 337,183.06 10,277.48 1,277.48 1,328.19 1,328.19 1,328.19 213,077.91 621.78 14,105.02 1,149.90 1,546.08 4,688.80 1,701.65 32,858.67 28.89 2,266.40 16.18 291.52 625.32 137.63 54,836.95 146.93 2,797.42 209.37 866.22 1,355.73 137.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 211,627.50 457.96 17,559.41 887.65 1,589.20 2,736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.56 2,736.10 385.25 169,362.68 3,255.65 <th< td=""><td></td><td></td><td>14,802.36</td><td>1,734.30</td><td>2,918.04</td><td></td><td></td></th<>			14,802.36	1,734.30	2,918.04		
2,523,534.09	53,519.38	174.72	897.23 3,593.06			752.06	57.84
337,183 06 10,277,48 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,701.65 32,858.67 28.89 2,266.40 16.18 291.52 625.32 137.63 136.53 137.63 137.63 135.73 137.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.20 317.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 9,937.99 208.95 20.236.95 20.236.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.50 2,736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.50 2,736.10 385.25 106.77 246.05 169,362.68 3,255.65 121.48 174.48 1,368.56 106.77 246.05 121.00 525.00 252,908.14 5,500.00 600.00 600.00 403,015.00 591.00 17,778.00 1,089.00 1,672.00 5,177.00 1,619.00 34,284.00	5,232,929.76	11,371.55	435,014.21	18,249.36	45,138.52	108,699.22	30,485.21
337,183 06 10,277,48 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,328.19 1,701.65 32,858.67 28.89 2,266.40 16.18 291.52 625.32 137.63 136.53 137.63 137.63 135.73 137.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.20 317.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 9,937.99 208.95 20.236.95 20.236.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.50 2,736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.50 2,736.10 385.25 106.77 246.05 169,362.68 3,255.65 121.48 174.48 1,368.56 106.77 246.05 121.00 525.00 252,908.14 5,500.00 600.00 600.00 403,015.00 591.00 17,778.00 1,089.00 1,672.00 5,177.00 1,619.00 34,284.00	- 9						
20,794.12 378.56 1,328.19 213,077.91 621.78 14,105.02 1,149.90 1,546.08 4,688.80 1,701.65 32,858.67 28.89 2,266.40 16.18 291.52 625.32 137.63 54,836.95 146.93 2,797.42 209.37 866.22 1,355.73 137.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 9,937.99 208.95 208.95 2736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.56 2,736.60 1,058.30 102,221.76 431.65 17,356.58 729.48 1,424.56 2,736.60 1,058.30 169,362.68 3,255.65 12.48 174.48 1,368.56 106.77 252,908.14 5,500.00 600.00 4,423,592.56 10,143.17 372,483.49 14,247.15 35,923.32 99,902.80 25,502.28 809,337.20 1,228.38 62,530.72 4,002.21					· · · · · · · · · · · · · · · · · · ·	74,057.43	18,393.76
32,858,67 28,89 2,266,40 16,18 291,52 625,32 137,63 54,836,95 146,93 2,797,42 209,37 866,22 1,355,73 137,20 26,977,36 112,14 7,019,94 6,48 281,24 211,18 317,30 30,973,33 134,67 3,894,07 431,50 652,26 3,039,56 274,37 9,937,99 208,95 211,627,50 457,96 17,559,41 887,65 1,589,20 2,736,66 1,058,30 102,221,76 431,65 17,326,58 729,48 1,424,56 2,736,10 385,25 4,80 2,945,51 12,48 174,48 1,368,56 106,76 169,362,68 3,255,65 .29,908,14 5,500,00 .29,908,14 5,500,00 .29,908,10			378.56			1,328.19	
54,836.95 146.93 2,797.42 209.37 866.22 1,355.73 137.20 26,977.36 112.14 7,019.94 6.48 281.24 211.18 317.30 30,973.33 134.67 3,894.07 431.50 652.26 3,039.56 274.37 9,937.99 208.95 208.95 211,627.50 457.96 17,559.41 887.65 1,589.20 2,736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.56 2,736.10 385.25 4.80 2,945.51 12.48 174.48 1,368.56 106.77 169,362.68 3,255.65 508.66 2,457.27 246.05 252,908.14 5,500.00 600.00 4,03,015.00 591.00 17,778.00 1,089.00 1,672.00 5,177.00 1,619.00 34,284.00 4,002.21 9,215.20 8,796.42 4,982.93 809,337.20 1,228.38 62,530.72 4,002.21 9,215.20 8,796.42 4,982.93 51,951 192 4,540 251<		621.78 28.89	14,105.02 2,266.40				
9,937, 99 208, 95 17,559,41 887,65 1,589,20 2,736,66 1,058,30 102,221,76 431, 65 17,326,58 729,48 1,424,56 2,736,10 385,25 4,80 2,945,51 12,48 174,48 1,368,56 106,77 508,66 2,457,27 246,05 169,362,68 3,255,65 121,00 525,00 252,908,14 5,500,00 600,00 600,00 403,015,00 591,00 17,778,00 1,089,00 1,672,00 5,177,00 1,619,00 34,284,00 1,228,38 62,530,72 4,002,21 9,215,20 8,796,42 4,982,93 51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12		146.93	2,797.42	209.37 6.48		1,355.73 211.18	
211,627.50 457.96 17,559.41 887.65 1,589.20 2,736.66 1,058.30 102,221.76 431.65 17,326.58 729.48 1,424.56 2,736.10 385.25	30,973.33	134.67	3,894.07	431.50	652.26	3,039.56	274.37
4.80 2,945.51 12.48 174.48 1,368.56 106.77 169,362.68 3,255.65 2,457.27 246.05 252,908.14 5,500.00 600.00 403,015.00 591.00 17,778.00 1,089.00 1,672.00 5,177.00 1,619.00 34,284.00 37,483.49 14,247.15 35,923.32 99,902.80 25,502.28 809,337.20 1,228.38 62,530.72 4,002.21 9,215.20 8,796.42 4,982.93 51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12	211,627.50	457.96	17,559.41	887.65			
169,362 .68 3,255 .65 121 .00 525 .00 252,908 .14 5,500 .00 600 .00 403,015 .00 591 .00 17,778 .00 1,089 .00 1,672 .00 5,177 .00 1,619 .00 34,284 .00 372,483 .49 14,247 .15 35,923 .32 99,902 .80 25,502 .28 809,337 .20 1,228 .38 62,530 .72 4,002 .21 9,215 .20 8,796 .42 4,982 .93 51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12					174.48	1,368.56	106.77
403,015.00 591.00 17,778.00 1,089.00 1,672.00 5,177.00 1,619.00 34,284.00 <	169,362 68		3,255.65				
34,284.00	252,908.14		5,500.00				600.00
4,423,592.56 10,143.17 372,483.49 14,247.15 35,923.32 99,902.80 25,502.28 809,337.20 1,228.38 62,530.72 4,002.21 9,215.20 8,796.42 4,982.93 51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12	403,015.00	591.00	17,778.00	1,089.00	1,672.00	5,177.00	1,619.00
809,337.20 1,228.38 62,530.72 4,002.21 9,215.20 8,796.42 4,982.93 51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12	34,284.00						
51,951 192 4,540 251 493 1,361 350 7,428 68 659 63 106 205 94 982 9 123 7 22 32 12	4,423,592.56	10,143.17	372,483.49	14,247 . 15	35,923.32	99,902.80	25,502.28
7,428 68 659 63 106 205 94 982 9 123 7 22 32 12	809,337.20	1,228.38	62,530.72	4,002.21	9,215.20	8,796.42	4,982.93
7,428 68 659 63 106 205 94 982 9 123 7 22 32 12							
7,428 68 659 63 106 205 94 982 9 123 7 22 32 12							
60,361 269 5,322 321 621 1,598 456	7,428	68	659	63	106	205	94
	60,361	269	5,322	321	621	1,598	456

	1			
Municipality	Parry Sound	Penetang-	Perth	Peter-
		uishene		borough
Population	5,215	4,964	4,920	37,192
Earnings	\$	\$	\$	\$
Domestic service	54,604.75	28,224.83	51,891.77	440,033.06
Commercial light service	35,211.33	16,825.06	28,057.41	184,096.95
Commercial power service	11,616.09 3,184.20		23,196.25 1.136.51	365,796.51 11,001.84
Street lighting	7,926.45		5,295.81	34,699.98
Merchandise		145.81	3,800.69	
Miscellaneous	4,659.67	2,164.95	2,931.74	2,833.99
Total earnings	117,202.49	76,261.02	116,310.18	1,038,462.33
Expenses				
EAFENSES		-		
Power purchased	27,424.93	50,750.35		670,159.11
Substation operationSubstation maintenance	12,515.91		122.50	16,413.46 3,934.92
Distribution system, operation and		• • • • • • • • • • • •	• • • • • • • • • • • • •	3,934.94
maintenance	5,539.91			38,897.53
Line transformer maintenance	156.50 2,088.58		368.06 1,042.03	2,547.36 23,980.37
Meter maintenance	2,066.56			17,598.81
Street lighting, operation and main-	!			
tenance Promotion of business	1,028.90	879.14	949.67	13,855.51 70.53
Billing and collecting.	3,951.95	3,135.70	3,731.61	28,375.27
General office, salaries and expenses	8,627.88	2,540.86	5,568.30	17,092.16
Undistributed expenses Truck operation and maintenance	2,883.47 2,166.25			24,485.59 9,637.92
Interest		455.45	251.36	6,967.25
Sinking fund and principal payments				,
on debentures	1,616.44		4,071.09	11,400.00
Depreciation	9,757.00	3,293.00	4,273.00	55,551.00
Other reserves			• • • • • • • • •	450.00
Total operating costs and				
fixed charges	78,861.24	71,271.23	102,818.13	941,416.79
Net surplus	38,341.25	4,989.79	13,492.05	97,045.54
Net loss			• • • • • • • • • • • • • • • • • • • •	
Number of Customers				
Domestic service	1,343			9,964
Commercial light service	247	156		1,250 200
Power service	20	19	36	
Total	1,610	1,213	1,688	11,414

Petrolia	Picton	Plattsville	Point Edward	Port Colborne	Port Credit	Port Dalhousie
3,118	4,103	402	1,787	8,300	3,651	2,462
\$	\$	\$	\$	\$	\$	\$
24,840.53 17,832.80 27,978.25	28,830.89 14,873.70	6,370.16 3,650.62 4,341.41	17,833.86 7,422.59 97,223.54	40,609.18 31,461.68	51,550.38 19,445.26 10,965.40	42,815.80 8,627.21 9,076.69
3,819.02	3,173.02 3,935.54 511.49	459.00	2,275.54	7,761.31 9,741.14	2,271.90 3,773.60	2,449.25
1,280.85	208.61	143.56	1,996.03	3,370.27	272.02	3.94
75,751.45	96,842.97	14,96475	126,751.56	148,272.29	88,278.56	62,972.89
- 4			-	* 1		
41,232 . 10 292 . 92	70,885.78 255.00		82,767.58	77,517.82	54,981.69	35,559.10
· · · · · · · · · · · ·						• • • • • • • • • • •
4,482.72 387.24 1,254.50 2,703.02	2,389.40 628.20 1,442.48 76.66	95.89 41.60 58.84	1,464.65 810.81 868.91 1,966.27	11,943.81 1,189.33 1,765.82 2,843.40	3,570.43 378.90 367.13 1,670.67	5,559.71 269.68 1,815.42 556.45
782.75		29.15	524.94	3,323.85	1,146.63	
3,923.31	5,352.40	316.08	56.49 2,808.55		3,392.28	2,799.37
5,736.99 3,117.38	673.29	39.81 5.00	3,888.68 28.08	5,130.34 2,022.45	1,044.74	3,021.46 1,091.09
2,093.66 73.84	678.75	· · · · · · · · · · · · · · · · · · ·	56.64	1,569.34	1,322.89	1,310.76 528.17
		,			3,476.51	1,499.82
6,262.00	5,642.00	431.00	2,441.00	7,680.00	4,384.00	2,379.00
				,	180.41	
72,342.43	90,656.50	11,868.19	97,682.60	121,373.64	75,916.28	56,789.66
3,409.02	6,186.47	3,096.56	29,068.96	26,898.65	12,362.28	6,183.23
901 183 60		140 30 2	489 65 13	292	1,042 139 21	914 84 12
1,144	1,604	172	567	2,384	1,202	1,010

Municipality	Port Dover	Port Elgin	Port Hope	Port	Port Perry
Population	2,385	1,610	6,327	McNicoll 853	1,725
Earnings	\$	\$	\$	\$	\$
Merchandise		28,221.24 14,088.75 6,066.47 1,579.08 3,341.81	35,051.29 84,901.09 2,397.60	8,702.13 1,926.23 10,284.04 529.68 1,065.00 30.46	10,135.30 3,732.70 1,860.00
Miscellaneous	75.25	391.06	392.19	32.36	488.68
Total earnings	45,676.66	53,688.41	212,945.54	22,569.90	38,713.23
Expenses					
Power purchased		29,398.72		15,519.65	
Distribution system, operation and maintenance. Line transformer maintenance. Meter maintenance. Consumers' premises expenses. Street lighting, operation and main-	4,096.24	4,245.91 131.46 234.79	1,659.56	44.73 124.16	398.24 446.50
tenance. Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance.	212.93 413.63	460.59 	5,762.31 7,600.15 4,210.04 2,914.94	873.87 443.50 68.04	1,689.89 1,046.12
Interest			375.00 1,083.34		
Depreciation	3,572.00	2,068.00	7,347.00	764.00	1,446.00
Other reserves					
Total operating costs and fixed charges	43,487.23	42,006.51	195,775.80	18,924.16	28,436.09
Net surplus	2,189.43	11,681.90	17,169.74	3,645.74	10,277.14
Net loss					
Number of Customers					
Domestic service	1,020 177 22	683 . 151 . 14	275	339 29 2	514 105 12
Total	1,219	848	2,244	370	631

		-				
Port Rowan		Prescott	Preston	Priceville	Princeton	Queenston
783	Stanley 1,205	3,449	7,518	153	334	332
\$	\$	\$	\$	\$	\$	\$
5,660.68 6,081.20			76,333.84 32,027.63		4,721.29 1,812.92	5,673.44 3,421.27
264.76 467.62	14,240.07 1,139.67	17,560.34 1,605.25	93,301.40		2,092.93	
980.37	3,299.50	4,812.30	9,273.62		583.00	627.00
14.92	485.00	423.24	602.23	.51	217.78	200.87
13,469.55	59,093.32	90,789.93	213,686.32	3,129.45	9,427.92	9,922.58
6 909 95	20 010 44	ED 10C 10	150 400 40	045 94	C 010, 79	E 194 40
0,802.25	32,813.44	53,106.12 2,437.51	4,565.57		6,012.73	5,184.49
			2,959.74			
722.65 142.17	292.43		5,653.94 653.88		1.25	1,260.03 67.84
28.92	437.81 90.71	1,208.55 1,020.37			64.61	30.59 341.84
161.66	842.41	1,244.57	1,516.42	43.68	120.62	145.15
527.40	2,261.53	3,691.57	3,987.82	177.36	285.89	328.19
148.29 36.14	1,278.16 961.80	724.34	6,404.21 3.073.95	80.49	64.86	333.63 12.15
66.03 57.19	498.16 57.31	491.74 420.00	2,129.32			
		1,000.00		225.00		
835.00	3,080.00					574.00
330.00	5,000.00	2,332.00	15,002.00	334.00		011.00
9,527.70	47,037.86	76,491.77	201,154.49	2,101.55	7,038.98	8,277.91
3,941.85	12,055.46	14,298.16	12,531.83	1,027.90	2,388.94	1,644.67
229	1.048	0.14	1.051		110	105
78	124	184	262	12	29	105 23
4	17	28			4	
311	1,189	1,156	2,278	62	149	128

Municipality	Renfrew	Richmond	Richmond	Ridgetown	Ripley
Population	7,368	570	Hill 2,228	2,275	454
Earnings	\$	\$	\$	\$	\$
Domestic service. Commercial light service. Commercial power service. Municipal power Street lighting. Merchandise.	3,962.26		11,681.20 3,100.37 1,110.25	15,436.32 8,661.48 1,671.98	6,079.14 3,620.99 1,959.14 583.54 1,190.00
Miscellaneous	5,567.32		148.40	521.20	8.54
Total earnings	167,989.85	10,386.42	48,459.72	47,433.83	13,441.35
Expenses					
Power purchased	55,194.53 34,950.34 1,860.70			27,452.55	
maintenance	5,794.82 861.76 761.66	72.54 31.63 41.15		115.58 745.41	
Street lighting, operation and maintenance	862.37	60.56	283.53	1,395.75	114.46
Promotion of business. Billing and collecting. General office, salaries and expenses Undistributed expenses. Truck operation and maintenance	6,895.85 1,636.39	317.55 72.00	450.74	332.78	149.20
Interest . Sinking fund and principal payments on debentures	1,294.20 8,326.34	93.36		6.08	
Depreciation	16,077.00	482.00	1,790.00	2,478.00	738.00
Other reserves					
Total operating costs and fixed charges		8,617.10	38,276.58	40,511.60	8,575.42
Net surplus	17,773.42	1,769.32	10,183.14	6,922.23	4,865.93
Net loss					
Number of Customers					
Domestic service	1,830 266 73	27	668 115 19	730 163 28	148 55 3
Total	2,169	185	802	921	206

Riverside	Rockwood	Rodney	Rosseau	Russell	St. Catharines	St. Clair Beach
9,535	683	913	197	475	38,146	528
\$	\$	\$	\$	\$	\$	\$
123,872.10	9,291.28		2,549.70		363,958.88	
18,177.08 8,245.97 4.613.07	3,070 .81 69 .29	4,326.72 3,821.16	2,424.94	3,366.50 391.20	211,952.94 680,040.72	3,271.81 255.09
6,601.66	1,038.94	1,181.20	940.02	880.00	37,979.00	336.00
3,538.64	105.19	295.29	45.00	32.50	12,553.37	286.32
165,048.52	13,575.51	15,665.92	5,959.66	10,489.14	1,306,484.91	12,085.10
96,580.45 99.52	8,570.34	9,503.26	2,411.14	7,201.30	931,360.04 16,106.42	
4,230.36	536.40	1,053.57	244.93		68,202.33	
141.15 $1,244.32$	82.16	26.90 242.15	33.48	6.25 88.50	5,687.02 19,966.05	59.55 49.90
11,217.53					4,610.47	194.29
1,542.07	159.00	314.34	66.10	74.00	7,109.79 601.48	36.68
3,699.79	748.73	886.89	388.61	584.75	37,512.02	519.45
6,117.26 1,948.03	570.26 6.67	281.02 32.30	132.98 5.00		17,775.96 20,244.82	
2,815.55 756.96	9.56		153.23		11,805.71 43.75	10.75
100.50						
					1,750.00	
8,234.00	549.00	1,037.00	263.00	513.00	46,515.00	506.00
138,627.35	11,423.17	13,377.43	4,650.09	8,817.15	1,189,290.86	8,767.39
26,421.17	2,152.34	2,288.49	1,309.57	1,671.99	117,194.05	3,317.71
2,794	216	312	87	143	10,642	178
150 17	38 2	79 9	16	38 2	1,398 287	15 1
2,961	256		103	183		194
		-30				

Municipality	St. George	St. Jacobs	St. Marys	St. Thomas
Population	631	705	4.112	18,775
Earnings	\$	\$	\$	\$
Domestic service	3,887.00 3,662.94	3,519.41 4,068.87	65,369.01 23,989.25 36,535.81 2,093.34 5,699.25	216,405.07 99,012.27 135,141.02 5,967.07 16,854.59
Merchandise		306.19		5,295.11
Total earnings	14,215.85	16,482.18	134,124.89	478,675.13
Expenses				
Power purchased			73,273.09 2,094.81 8.78	18,959.55
Distribution system, operation and maintenance	190.63	89.12	251.87 463.32	2,222.96 6,113.41
Consumers' premises expenses Street lighting, operation and maintenance Promotion of business	203.52	55.99	27 24	4,056.18 623.27
Promotion of business Billing and collecting General office, salaries and expenses Undistributed expenses Truck operation and maintenance	786.07 201.19 33.51	856.41 202.05	3,276.31 5,110.84 1,956.47	
Interest			1,484.91	72.85
Depreciation			· ·	
Other reserves				
Total operating costs and fixed charges		14,235.25	112,938.55	439,724.86
Net surplus	4,029.15	2,246.93	21,186.34	38,950.27
Net loss				
Number of Customers				
Domestic service	46	39	201	680
Total	246	219	1,464	6,182

Sarnia	Scarborough	Seaforth	Shelburne	Simcoe	Smiths Falls
33,976	Twp. 56,161	2,121	1,274	7,085	8,339
\$	\$	\$	\$	\$	\$
308,849.19 158,404.78	580,160.21 144.057.81	26,740.16 19,300.64	12,462.46 7,849.67	50,092.30 55,133.03	99,977.34 50,223.21
390,899.13 9,467.99	141,395.20 27,318.45	18,461.43 748.21	4,591.99 425.32	44,356.79 3,260.12	40,631.72
26,890.25	28,322.01	4,157.67	1,197.00	9,737.39	9,414.41
9,581.56 11,921.75	3,191.38	583.18	4.50 234.50	4,864.03	2,217.99
916,014.65	924,445.06	69,991.29	26,765.44	167,443.66	202,912.86
FFF 90C 70	F72 010 77	49,000,41	10.007.00	100 140 10	100.075 10
555,896.72 26,556.34	573,010.77 2,845.96	42,626.41	19,607.06	102,148 . 10 497 . 75	128,075 . 13 501 . 53
2,039.64	• • • • • • • • • • •	349.25	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	1,548.61
33,991.74 4,759.79	35,437.99 7,021.95	3,213.40 642.94	973.98 74.63	10,947.74 1,390.11	10,154.94 333.15
15,202.88 39,096.80	704.49 11,331.97	97.36 343.00	347.54	4,407.05 2,099.72	1,380.04 633.47
9,483.35	7,393.48		390.57	· ·	
406.09		741.22 488.67		188.10	1,525.09
21,228.90 49,185.35	26,002.66 22,740.36	1,868.93 1,636.27	1,142.83 732.81	5,254.28 4,451.95	7,833.17 8,019.44
17,079.87 9,554.37		954.49 950.56	39.00	1,455.29 4,213.02	594.47 3,259.20
10,052.70	47,319.57	403.27		198.85	
12,693.00	17,000.00	. 682.44		917.06	• • • • • • • • • • • • • • • • • • • •
42,039.00	42,019.00	3,073.00	1,356.00	9,865.00	11,563.00
	10,417.00				
849,266.54	803,245.20	58,071.21	24,664.42	150,503.59	175,421.24
66,748.11	121,199.86	11,920.08	2,101.02		27,491.62
00,740.11	121,199.00	11,920.08	2,101.02	16,940.07	21,491.02
• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	
9,347	14,263	629	397	2,062	2,418
1,005 112	1,019 164	120 22	98 13	468 74	354 48
10,464	15,446	. 771	508	2,604	2,820
		1		1	

Municipality	Smithville	Southamp-	Springfield	Stamford
		ton	517	Twp.
Population	030	1,619	517	18,225
Earnings	\$	\$	\$	\$
Domestic service	6,027.49 4,548.43	22,427.14 10,791.10	4,178.81 1,745.59	192,866.05 46,429.48
Commercial power service	11,483.01	14,551.19 1,055.85	1,539.51	39,881.70 2,878.85
Street lighting	1,637.00	4,020.61	782.50	13,861.06 1,616.06
Miscellaneous	397.70	182.58	74.16	1,010.00
Total earnings	24,093.63	53,028.47	8,320.57	297,533.20
Expenses				
Power purchased		29,293.25	4,147.94	145,432.72 1,587.57
Substation maintenance				
maintenance	1,527.06 84.51	3,620.49 333.10		22,209.41 2,016.84
Meter maintenance	266.30 193.40	324.09 254.73	101.33	2,016.84 7,137.00 3,392.09
Street lighting, operation and maintenance.	260.96	687.69		3,773.54
Promotion of business	1,582.50	1,733.99		11,528.61
General office, salaries and expenses.	840.18 120.93	921.70	330.65	8,971.12
Undistributed expenses	868.26	1,009.25		10,359.66 8,614.31
Interest				6,322.86 8,066.66
Depreciation	909.00	2,254.00	724.00	21,208.00
Other reserves				
Total operating costs and				
fixed charges	21,273.63	40,596.34	6,197.02	260,620.39
Net surplus	2,820.00	12,432.13	2,123.55	36,912.81
Net loss				
Number of Customers				
Domestic service		792	133	
Commercial light service	70 9	93 14	33 4	305 39
Total	299	899	170	4,739

Stayner	Stirling	Stoney Creek	Stouffville	Stratford	Strathroy
1,241	1,157	1,805	1,701	18,878	3,688
\$	\$	\$	\$	\$	\$
13,385.97 7,072.90 4,385.05 88.43 1,729.99 78.52	14,498.41 7,579.27 2,718.45 319.42 1,820.32 142.30	27,027.86 11,585.82 3,356.20 1,157.52 1,459.32	17,086.07 9,839.64 8,459.54 1,657.00	238,209.76 86,765.73 92,291.96 10,934.69 17,780.04 52.15	50,095.22 25,732.11 26,495.69 2,652.59 6,380.96
384.25	516.13	311.12	193.83	17,998.20	274.38
27,125.11	27,594.30	44,897.84	37,236.08	464,032.53	111,630.95
16,130.33	16,160.65 447.76	25,840.50	27,840.26	296,043.66 12,563.64 3,841.45	72,585.11 835.92
659.27 18.55 259.67 77.36	3,480.06 45.83 146.56 4.13	1,311.34 781.48 249.63 325.85	1,350.74 354.32 138.34 192.94	10,179.53 2.944.29 4,903.56 9,184.02	6,563.18 1,785.67 543.93 89.69
292.72	462.92	250.01	235.20	3,764.84	1,808.33
1,519.24 845.14	1,355.49 1,866.70 208.15 165.94	2,225.10 87.93 	1,597.90 570.90	1,345.00 16,739.57 16,707.48 4,906.10 5,071.93 2,650.00	2,254.85 5,449.78 1,246.14 828.69 81.57
	• • • • • • • • • • • • •	1,515.19		900.00	1,523.28
990.00	1,542.00		1 214 00		
390.00	1,342.00	1,848.00	1,214.00	22,267.00	3,961.00
	• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •
20,792.28	25,886.19	35,734.29	33,494.60	414,012.07	99,557.14
6,332.83	1,708.11	9,163.55	3,741.48	50,020.46	12,073.81
				· · · · · · · · · · · · · · · · · · ·	
387 101 19	367 89 15	551 89 12	527 102 11	5,251 692 145	1,137 220 43
507	471	. 652	640	6,088	1,400

	1		1	
Municipality	Streetsville	Sunderland	Sutton	Swansea
Population	1,100	521	1,235	8,080
Earnings	\$	\$	\$	\$
Domestic service	15,073.27 6,280.05 16,592.32 413.76	6,650.95 3,912.54 3,377.20	12,668.52	28,257.60
Street lighting. Merchandise	2,077.33	933.14	2,553.00	8,429.38
Miscellaneous	438.13	4.44	225.64	546.97
Total earnings	40,874.86	14,878.27	35,380.65	197,494.35
Expenses				
Power purchased.	25,244.24	8,632.98	20,082.05	118,549.01
Substation operation	2,576.01			1,211.56
Distribution system, operation and maintenance	687.31 581.66 608.66			5,469.09 832.72 220.67 11,512.07
Street lighting, operation and maintenance	566.13	135.35	424.89	1,617.89
Promotion of business	2,030.32 1,289.84	628.71 204.33 5.00		8,929.03
Interest				1,275.37 3,671.90
Depreciation	1,600.00	586.00	1,890.00	8,815.00
Other reserves	96.00			
Total operating costs and fixed charges	35,324.57	10,993.29	26,580.19	165,422.74
Net surplus	5,550.29	3,884.98	8,800.46	32,071.61
Net loss				
Number of Customers				
Domestic service	320 71 13	182 46 3	600 131 9	2,464 140 29
Total	404	231	740	2,633
	J			

Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville	Thedford
490	1,096	3,497	854	546	950	592
\$	\$	\$	\$	\$	\$	\$
5,582.07 3,756.09 2,246.54 155.94 1,196.00	13,844.33 7,193.36 9,711.26 417.84 1,371.00	32,077.04 11,770.33 9,402.03 660.30 1,760.20	8,427.05 4,825.15 5,858.20 382.06 1,284.00	8,981.87 4,041.65 2,965.75 686.00	7,718.60 7,039.00 6,255.12 205.90 1,420.25	6,531.30 5,261.48 2,582.65 1,275.00
6.79	421.11	952.52	431.21	72.14	267.55	290.09
12,943.43	32,958.90	56,622.42	21,207.67	16,747.41	22,906.42	15,940.52
7,202.16	26,341.10	28,157.57	11,611.87	13,097.94	15,150.07	8,357.86
283.42	837.94 45.07 78.85 840.12	3,015.08 187.89 744.05 998.57	773.42 32.67 296.74	327.37 20.73 48.89 293.85	1,636.66 141.81 537.92	446.31 183.87 10.00
457.02 104.67 7.79	309.00 106.57 1,458.46 769.90 24.36	0=0.01	201.35 944.44 541.06	124.49 449.55 136.10 6.50	903.54 358.13 74.46	299.94 906.17 353.90 33.82
747.00	981.00	3,265.00	1,477.00	443.00	1,475.00	844.00
8,980.73	31,797.51	42,465.71	15,878.55	14,948.42	21,186.62	11,435.87
3,962.70	1,161.39	14,156.71	5,329.12	1,798.99	1,719.80	4,504.65
174 50 7	341 105 10	967 93 8	265 66 11	183 47 5	306 94 13	206 68 5
231	456	1,068	342	235	413	279

Municipality	Thornbury	Thorndale	Thornton	Thorold
	1.003	· 299	181	6.465
Population	1,003	- 299	101	0,405
Earnings	\$	\$	\$	\$
Domestic service	11,358.05 5,284.66 4,200.00 449.98	1,540.71 2,838.12	784.78	44,686.37 18,084.78 84,148.71 4,742.56
Street lighting. Merchandise	1,967.10 .05	408.00	26.00	5,029.34
Miscellaneous	9.29	17.07		156.23
Total earnings	23,269.13	9,351.60	3,219.99	156,847.99
Expenses		1		
Power purchased	9,966.08 5,812.46	5,378.72		114,100.14 5,616.08
Distribution system, operation and maintenance	1,238.00 115.24 402.36		227.42	5,838.83 383.31 3,194.47
Consumers' premises expenses Street lighting, operation and main-	402.30			107.67
tenance	428.95	145.50	80.44	2,640.17
General office, salaries and expenses. Undistributed expenses Truck operation and maintenance		284.54 48.00		3,883.48 3,575.01 2,612.34 1,253.56
Interest Sinking fund and principal payments on debentures	380.71			310.52
Depreciation	1,107.00	472.00	344.00	6,908.00
Other reserves				
Total operating costs and fixed charges	21,573.77	6,828.77	3,511.95	150,423.58
Net surplus	1,695.36	2,522.83		6,424.41
Net loss			291.96	
Number of Customers				
Domestic service	340 82 15	94 24 3	75 13 1	1,668 191 36
Total	437	121	89	1,895

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Tilbury	Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trafalgar Twp.
2,848	5,202	653,499	23,303	577	V.A.
\$	\$	\$	\$	\$	\$
20,037.46 15,071.46 28,989.21	46,999.60 43,511.44 36,939.13	6,747,774.01 5,112,071.74 7,090,908.65	317,114.92 64,498.60 112,232.46	6,963.92 3,036.63 1,628.19	80,725.80 9,370.73 9,651.65
258.72 5,423.72	2,268.01 6,937.68	2,025,769.03 589,527.98	1,253.95 11,513.86	472.23 1,241.73	145.00
914.67	2,982.14	562,789.95	1,362.58	4.62	250.00
70,695.24	139,638.00	22,128,841.36	507,976.37	13,347.32	100,143.18
45,129.82	90,721.08	*12,490,682.36	291,683.30	9,881.36	52,349.85
••••	1,859.15	473,054.00 539,356.84	378.74		• • • • • • • • • • • • • • • • • • • •
3,009.12 99.28	10,198.82 1,393.95	844,751.93 121.044.25	36,778.94 5,837.28	844.83 12.84	8,949.88 1,526.66
354.43	1,767.48 208.30	208,204.68 563,804.57	2,366.02 1.831.11	193.00	1,475.52 318.48
832.93	1,350.13	215,889.90	4,738.64	130.11	50.82
7.25 1,727.05	453.12 4,352.44	245,090.32 751,895.88	26,897.06	577.10	4,559.90
1,660.40 386.16	7,224.14 1,887.04	712,244.22 1,304,121.39	19,161.47	202.25 56.57	7,182.73
1,049.31	2,638.47 -931.74	113,824.08	5,596.26	189.73 267.26	2,327.73
	497.10	126,000.00	4,714.41	570.41	2,998.46
3,476.00	7,835.00	1,751,198.47	28,769.00	713.00	4,740.00
		• • • • • • • • • • • • • • • • • • • •	1,234.00		176.09
57,731.75	133,317.96	20,461,162.89	429,986.23	13,638.46	86,656.12
12,963.49	6,320.04	†1,667,678.47	77,990.14		13,487.06
				291.14	
746 161	1,610 345	157,324 27,055	6,223 459	192 51	1,248 80
22	50	6,047	102	9	16
929	2,005	190,426	6,784	252	1,344
-					

^{*} Includes 1951 power adjustment.

^{†\$1,650,000.00} allocated to reserve for frequency standardization.

Municipality	Trenton	Tweed	Uxbridge	Victoria Harbour
Population	9,993	1,600	2,028	958
Earnings	\$	\$	\$	\$
Domestic service	98,744.51 38,381.01 108,209.37	15,992.13 10,266.86 11,548.62	22,029.60 9,409.08 7,177.50	7,630.93 2,297.28
Municipal power	8,358.91 12,323.95	479.46 2,365.99	739.95 1,985.98	267.04 794.00
Merchandise	3,386.29	98.25 382.13	39.59 315.34	47.92
Total earnings	269,404.04	41,133.44	41,697.04	11,037.17
Expenses	3			
Power purchased	185,015.44 319.62		25,313.91	6,014.76
Substation maintenance	4,644.23	661.90	1,528.77	642.26
Line transformer maintenance Meter maintenance	548.35 4,528.59	74.76	80.01 647.58	78.58 128.30
Consumers' premises expenses	1,951.71		406.47	
tenancePromotion of business	1,632.30	458.99	417.17	157.50
Billing and collecting	7,727.73 7,379.18 1,696.50 2,179.60	637.26	1,572.29 1,164.19 5.37	585.54 19.44
Interest Sinking fund and principal payments on debentures			••••••	
Depreciation	12,658.00	1,290.00	1,518.00	500.00
Other reserves				
Total operating costs and fixed charges	230,281.25	28,063.33	32,653.76	9,006.26
Net surplus	39,122.79	13,070.11	9,043.28	2,030.91
Net loss				
Number of Customers				
Domestic service	2,940 321 65	104	563 124 17	336 35 1
• Total	3,326	546	704	372

			1	T	1
Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
3,313	7,352	365	522	1,361	1,665
\$	\$	\$	\$	\$	\$
36,974.26 25,388.32 18,524.95 787.81 5,640.66	55,179.14 38,929.77 211,344.12 7,443.67 6,508.41	3,782.06 3,013.77 40.64 720.00	5,429.83 2,465.49 693.87	18,029.52 4,936.29 2,129.51 214.32 1,446.75	15,068.52 6,566.36 5,690.35 309.62 1,845.00
1,805.57	8,774.89 3,682.02	103.61	124.20	89.83	359.57
89,121.57	331,862.02	7,660.08	9,464.37	26,846.22	29,839.42
50,127.50	255,377.60 730.20	5,057.03	6,118.35	18,245.28	20,412.22
3,751.44 338.21 1,202.50 89.62	10,674.26 1,138.30 2,754.70	87.04 3.34 154.46 16.75	2.94 17.15	167.36	1,614.65 211.38 377.23
376.62	1,346.96	86.20	53.67	205.29	632.67
3,407.86 3,432.65 787.19	294.12 4,198.71 7,471.64 2,634.13	205.29 149.96	290.47 194.41 7.66	1,003.48 200.19 121.75	893.69 448.08 120.92
1,583.38 240.72	3,916.18	• • • • • • • • • • • • • • • • •	240.60	381.40 7.57	826.99
4,814.56			632.99		
3,191.00	14,098.00	480.00	404.00	1,560.00	1,731.00
73,343.25	304,634.80	6,240.07	8,095.34	23,937.37	27,268.83
15,778.32	27,227.22	1,420.01	1,369.03	2,908.85	2,570.59
892 182 19	2,084 374 72	96 21 1	170 48 2	384 55 10	533 87 12
1,093	2,530	118	220	449	632

Municipality	Waterloo	Watford	Waubau- shene	Welland
Population	11,947	1,149	V.A.	15,972
Earnings	\$	\$	\$	\$
Domestic service	138,646.67 56,047.03 126,922.73 5,406.13 11,482.53	9,563.48 9,504.56 493.81 1,909.08	715.61 167.56	265,888.7 4,579.3
Miscellaneous	701.95		2.87	11,355.8
Total earnings	339,208.51	37,826.90	10,036.35	476,001.0
Expenses				
Power purchased	241,428.29 5,388.21 2,218.10		6,461.14	323,811.42 15,038.93 2,086.10
maintenance	11,681.05 1,705.48 3,926.83	17.82	57.88 236.62	12,545.00 2,583.4 11,445.7 5,864.5
tenance. Promotion of business. Billing and collecting. General office, salaries and expenses. Undistributed expenses. Truck operation and maintenance. Interest.	3,226.10 9,231.55 4,184.30 3,543.35	1,429.79 1,034.09 386.04 271.95	951.17 200.20 31.44	1,630.2 40.0 12,852.9 19,538.0 11,586.4 3,860.6
Sinking fund and principal payments on debentures			:	
Depreciation	11,472.00	1,571.00	608.00	26,791.0
Other reserves				
Total operating costs and fixed charges	298,333.74	34,289.29	9,316.42	449,674.78
Net surplus	40,874.77	3,537.61	719.93	26,326.2
Net loss				,
Number of Customers				
Domestic service	3,183 328 100	357 91 10	310 33 3	3,76 58 10
* Total	3,611	458	346	4,457

Wellesley	Wellington	West Lorne	Weston	Westport	Wheatley	Whitby
560	993	1,036	8,088	716	1,006	7,268
			-,,			
\$	\$	\$	\$	\$	\$	\$
6,192.71	10,749.45 4,681.93	8,811.99	113,576.47 44,285.75	7,270.05	9,113.60 9,936.48	72,657.03
3,563.79 1,775.48	5,624.92	6,618.23 17,716.91	116,616.93		7,169.67	29,589.65 27,633.26
864.00	1,370.00	1,396.02	3,458.40 12,556.62		1,202.72 2,219.75	4,290.04 6,615.64
189.22	293.78	2,422.64		117.73	10.79	1,116.11 454.29
12,585.20	22,720.08	36,965.79	290,494.17	14,960.52	29,653.01	142,356.02
	1					
8,094.47	13,611.58	24,924.32	178,096.87	8,967.05	16,873.52	
			1,662.55	• • • • • • • • • • • • • • • • • • • •		1,247.41
208.55	1,236.93	787.00	20,343.22	631.60	2,016.55	6,873.04
11.73	29.20	6.90	3,317.06 622.71			
296.89	243.77 34.43	132.17	1,426.10		74.60 188.73	
129.15	77.70	383.45	2,022.40 182.19		377.80	2,137.64 91.35
506.91	691.17	810.87	5,216.67	880.65		5,833.40
355.05 18.56	899.09 213.76	1,002.87	11,138.21	799.26 69.49		9,078.73 2,934.42
	568.14		4 601 00			670.04
	• • • • • • • • • • •		4,601.09			
	· · · · · · · · · · · · · ·	• • • • • • • • • • • •	500.00		449.47	285.13
675.00	1,069.00	1,778.00	12,750.00	509.00	1,846.00	8,522.00
			395.00			
10,296.31	18,674.77	29,825.58	242,274.07	13,787.48	24,568.99	116,184.81
2,288.89	4,045.31	7,140.21	48,220.10	1,173.04	5,084.02	26,171.21
162	397	292	2,204	197	297	1,418
55 6	75 12	80 15	269 55	64	89 12	211 35
223	484	. 387	2,528	261	398	1,664

Municipality	Wiarton	Williams-	Winchester	Windermere
Population	2,042	burg 264	1,175	140
Earnings	\$	\$	\$	\$
Domestic service	16,098.82 14,290.91 11,366.71 2,229.67	2,648.83 720.81	12,111.15 8,854.51 7,656.21	3,489.92 2,284.54 1,190.46
Municipal power	2,503.87	665.00	1,456.00	325.00
Merchandise	620.97	580.21	322.03	48.00
Total earnings	47,110.95	7,203.14	30,399.90	7,337.92
Expenses				
Power purchased	23,734.24	5,409.68	23,086.71	3,902.99
Substation operationSubstation maintenanceDistribution system, operation and				
maintenanceLine transformer maintenance	2,736.23 39.50		492.48	367.60 48.84
Meter maintenance	325.20 89.15	81.72	494.84 46.84	38.04
Street lighting, operation and maintenance.	387.23		176.04	
Promotion of business	1,412.36	474.56	1,319.67	286.58
Billing and collecting	1,437.17 371.54	188.55	467.58	86.53 1.50
Truck operation and maintenance				27.27
Sinking fund and principal payments on debentures	2,722.06		.,	991.47
Depreciation	1,652.00	402.00	1,296.00	375.00
Other reserves				
Total operating costs and fixed charges	35,910.45	7,070.41	27,380.16	6,167.81
Net surplus	11,200.50	132.73	3,019.74	1,170.11
Net loss				
Number of Customers				
Domestic serviceCommercial light servicePower service	557 127 23	96 37 2	355 94 5	87 14 2
Total	707	135	454	103

Windsor	Wingham	Woodbridge	Woodstock	Woodville	Wyoming
123,849	2,611	1,673	15,466	382	710
\$	\$	\$	\$	\$	\$
1,168,441.23 723,658.23 1,207,440.82 34,383.57	35,394.52 20,878.61 25,416.61 2,283.39	20,302.57 10,216.58 29,686.57 2,556.87	192,574.60 103,145.77 176,839.35 7,389.88	4,271.92 1,994.54 896.75	5,275.91 3,003.29 3,398.67
141,830.05 32,428.14	3,849.58	1,377.00	12,498.97	745.99	688.50
34,878.20	516.58	266.78	6,119.23	180.72	67.23
3,343,060.24	88,339.29	64,406.37	498,567.80	8,089.92	12,433.60
				-	
*2,130,896.27 98,620.46 35,137.78	48,228.13 3,336.23		314,788.29 14,832.45 22.74		7,063.43
97,834.41 18,577.86 27,754.97 122,750.02	4,230.72 405.39 725.07 4,194.83	1,102.46 92.09 15.20 82.75	492.00 9,278.67	210.13	
70,065.57 8,771.07	658.97 28.18		890.35		
121,059.43 98,573.58 24,501.69 9,892.18 18,389.17	2,668.87 3,525.17 574.02 1,767.51 186.95	1,512.94 797.59	11,122.16 13,880.11 4,570.81 2,732.13 4,883.25	181.00 5.00	246.49
10,000.11	2,876.15		13,956.88		
217,169.00	5,407.00	1,825.00	14,649.00	202.00	848.00
		150.00			
3,099,993.46	78,813.19	51,087.85	441,134.87	6,465.54	9,063.46
243,066.78	9,526.10	13,318.52	57,432.93	1,624.38	3,370.14
29,947 4,010 635	763 165 27			33	
34,592	955	519	5,218	168	267

^{*} Includes 1951 Power Adjustment.

SOUTHERN ONTARIO SYSTEM—Concluded THUNDER TOTAL York Twp. Zurich SOUTHERN Fort ONTARIO William Population.... 96,770 534 SYSTEM 34.926 EARNINGS \$ \$ Domestic service..... 988,849.59 7,548.61 30,199,742.30 468,837.43 7,343.61,16,148,646.58 324.20,25,114,074.69 268.46 2,940,260.25 926.50 2,619,620.67 202,551.93 428,617.97 17,220.16 32,449.42 Commercial light service..... 240,104.41 Commercial power service..... 317,662.93 8,529.28 55,984.43 99,667.86 Miscellaneous..... 4.496.25 167.29 1.219,150.91 16,940,99 Total earnings..... 1,615,626.89 15.049.67 78.341.163.26 1.166.617.90 EXPENSES 943.951.44 10.349.77 48,254,793.90 Power purchased..... 751,524.03 32,644.36 9,195.31 . . 1,547,854.61 Substation maintenance..... 4,402.68 728,452.74 4.064.21 Distribution system, operation and 37,388.55 17,429.71 20,157.82 16,646.96 659.42 2,931,983.51 maintenance............. Line transformer maintenance..... 411,794.72 783,499.55 1,465.14 165.21 16,550.63 15,701.14 Meter maintenance..... 28.19 28,443.59 1.391,424.05 tenance..... 19,206.64 137.24 708,833.30 11,232.49 Promotion of business.... 317,172.07 663.25 Billing and collecting.... 107,687.18 566.17 2,601,416.38 38,915.61 General office, salaries and expenses... 72,988.00 2,383,984.71 24,904.38 627.991,682,728.71 550.96 Undistributed expenses..... 220,818.16 635,118.76 1,046.58 28,724.36 Truck operation and maintenance..... Interest....Sinking fund and principal payments on debentures..... 21,254.84 806,373.45 100.999.00 687.00 4,527,768.61 46.058.00 3,797.86 82,725.06 Total operating costs and 1,365,647.78 13,220.99 70,016,742.29 1,011,946.94 fixed charges..... Net surplus..... 249,979.11 1,828.68 8,324,420.97 154.670.96 Net loss..... Number of Customers 195 26,737 740,241 9,698 Domestic service..... 1,414 1,826 101,972 Commercial light service..... 51 18,289 Power service..... 315 206 Total..... 28,878 248 860,502 11,318

BAY SYSTEM

				11	
Nipigon V.A.	Port Arthur 32,082	Red Rock 1,425	Schreiber Twp. V.A.	Terrace Bay	Total Thunder Bay System
\$	\$	\$	\$	\$	\$
16,064.77 14,778.23 1,322.09 468.93	378,212.62 200,628.37 450,295.61 29,141.20	10,922.08 8,173.31 101.02 552.33	12,399.11 5,739.12	11,120.32 7,472.39	925,290.14 449,651.27 893,548.20 47,382.62
1,502.00	36,852.24	918.00		1,863.90	75,355.56
538.20	7,589.89	. 60			25,069.68
34,674.22	1,102,719.93	20,667.34	47,167.20	44,450.88	2,416,297.47
19,785.63	817,691.91 44,080.46 21,852.24		10,494.56	11,428.71	1,622,140.50 76,724.82 25,916.45
4,256.20 91.65 594.17	36,578.61 2,407.90 13,585.47	783.67 176.45 .80	.70 251.52		61,923.39 4,035.75 31,158.24 15,704.95
824.54 1,258.32 1,644.75 320.14 740.08	2,053.63 35,013.92 16,880.64	1,029.95	2,187.37 1,251.14 137.95 626.12	479.46 1,538.99 541.29 29.64	20,465,45 2,716,88 79,944,16 45,779,24 1,038,69 5,505,09 34,122,56
		1,170.00	4,917.24	3,900.00	31,242.08
1,419.00	67,555.94	874.00	1,319.00	1,961.00	119,186.94
	4,500.00				4,500.00
30,934.48	1,072,565.64	16,875.83	26,729.51	23,052.79	2,182,105.19
3,739.74	30,154.29	3,791.51	20,437.69	21,398.09	234,192.28
414 99 4	8,684 1,132 149	193 21 2	447 48 2	286 26 1	19,722 2,740 364
517	9,965	216	497	313	22,826

NORTHERN ONTARIO PROPERTIES

Municipality	Cache Bay	Capreol	Larder	Latchford	McGarry
Population		1.992	Lake Twp. V.A.	504	Imp. Dist. 2,128
Earnings	\$	\$	\$	\$	\$
Domestic service		26,159.04 8,183.82	21,610.89 8,431.41	3,051.38 2,476.14	
Commercial power service Municipal power	843.99	8,875.30 724.92	239.35	169.40	
Street lighting	739.00	2,750.82 43.55	1,717.24		
Miscellaneous		23.75			
Total earnings	9,487.08	46,761.20	33,118.85	6,251.92	32,426.94
Expenses					
Power purchased			19,441.20		23,075.17
Substation maintenance Distribution system, operation and					
maintenance	117.03 27.74		1,992.06 393.83	200.31 27.69	
Meter maintenance	54.49		121.47		
Consumers' premises expenses Street lighting, operation and main-				100.77	005.00
tenancePromotion of business				. ,	
Billing and collecting	318.70	1,812.29	2,245.72	293.49	
Undistributed expenses		380.97			
Interest	1,306.67	16.18	672.32	810.95	594.23
on debentures	2,000.00		900`.00	700.00	500.00
Depreciation	854.00	1,624.00	1,341.00	391.00	1,041.00
Other reserves					
Total operating costs and fixed charges	8,864.23	44,302.45	29,411.95	5,228.82	28,987.88
Net surplus	622.85	2,458.75	3,706.90	1,023.10	3,439.06
Net loss		· · · · · · · · · · · · · · · · · · ·			
Number of Customers					
Domestic service	176	549	422	108	309
Commercial light service	24 1	79	88	25 1	60
Total	201	630	515		
	201	030	313	134	370

North Bay 18,740	Sioux Lookout 2,381	Sturgeon Falls 4,953	Sudbury 50,222	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
200,249.05 107,679.61 77,177.73 5,570.56 16,076.00 384.77	21,161.67 4,782.31 2,029.17	30,929.27 27,046.35 1,020.89 1,302.00 2,017.50	507,739.62 248,600.01 72,211.69 11,878.45 46,117.89	852,285.32 435,298.09 165,320.66 23,413.48 74,323.80 428.32 3,150.52	31,977,317.76 17,033,595.94 26,172,943.55 3,011,056.35 2,769,300.03 100,096.18 1,247,371.11
407,137.72	67,580.67	62,316.01	889,139.80	1,554,220.19	82,311,680.92
255,838.56 3,463.29		30,742.49	571,436.76 19,928.71 4,023.33	977,389.01 23,541.31 4,023.33	50,854,323.41 1,648,120.74 758,392.52
21,082.55 1,880.75 7,318.03 10,853.63	355.69 454.98	711.86	39,006.21 3,721.35 24,314.34 12,498.96	76,627.54 7,325.99 35,293.84 23,730.05	849,951.63
4,704.17	1,404.39	1,812.21	16,634.23	26,203.32	755,502.07
28,188.80 20,890.37 1,174.66	1,922.36 928.50 810.98	3,774.50 9,145.40	53,413.40 25,637.75 5,120.50 12,615.49 1,809.92	95,015.62 58,000.73 15,674.47 14,053.15 6,388.72	1,699,441.87 240,376.40
			7,585.29	11,685.29	849,300.82
15,021.00	1,471.00	2,473.00	46,325.00	70,541.00	4,717,496.55
					87,225.06
370,415.81	52,981.21	61,229.78	844,071.24	1,445,493.37	73,644,340.85
36,721.91	14,599.46	1,086.23	45,068.56	108,726.82	8,667,340.07
4,464 808 103	97	171	1,352	2,704	778,517 107,416 18,947
5,375	784	. 1,237	12,306	21,552	904,880



STATEMENT "C"

(pages 234 to 253)

Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1, 2, and 4 Served by The Hydro-Electric Power

Commission of Ontario for the year 1951

STATEMENT "D"

(pages 254 to 271)

Customers, Revenue and Consumption for Domestic, Commercial light, and Power service in Municipalities

Group 1, during the year 1951

STATEMENT "C"

Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1, 2, and 4, Served by The Hydro-Electric

Power Commission of Ontario for the year 1951

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the 355 municipalities (groups 1, 2, and 4) supplied under cost or fixed-rate contracts, or whose customers are supplied directly by the Commission. Municipalities served through the facilities of the Rural Power District are not included.

Cost of Power to Municipalities

The wholesale cost per kilowatt of the power supplied by the Commission to each municipality is a basic factor in determining retail rates to customers in the municipality. This cost figure given in column 1 represents the average cost per kilowatt supplied by the Commission to each municipality. The components of this cost are given in detail in the "Cost of Power" tables relating to the systems, which are given in Appendix II. A brief description of the method of arriving at this cost of power is given in the introduction to Section II of the Report.

Rates to Customers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject (at all times) to the approval and control of the Commission." (R.S.O. 1950, Ch. 281, Sec. 104).

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1951 are given in this statement.

Domestic Service: Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

Commercial Light Service: Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.

Water-Heater Service: Customers using continuous electric water-heaters purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

Power Service: The rate schedules for power service in statement "C" cover retail supply to all power customers of the municipal utilities. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Rates for service at primary distribution voltage are usually 5 per cent lower than those given. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable.

The service charge is based on the connected load or on the maximum demand where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within ten days.

Early in 1949 the Commission, in order to simplify billing procedure, began to bill the power demand of industrial power customers by using the kilowatt rather than horsepower.

The annual basis rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time it serves as an indication of the relative cost of power service in the various municipalities listed.

The service charge is now shown per kilowatt per month. Where special local discounts were in force, the equivalents of these discounts have been incorporated in the service charges and energy rates.

			Dom	estic serv	zice	
Municipality	Annual cost to the Commission on the works to		First			
c—City r—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month**	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
Acton TAgincourt Ailsa Craig Alexandria TAlliston T	34.80 43.25 37.64	cents	60 60 60	cents 2.6 3.0 2.8 3.0 3.5	cents 1.1 1.0 1.0 1.0	\$ 0.83 0.83 0.83 1.11 1.11
Almonte. TAlvinston Amherstburg. TAncaster Twp. Apple Hill	45.90		60 60 60	2.5 3.5 2.7 4.2 4.0	1.0 1.0 1.0 1.2 1.0	0.83 0.83 1.11 1.11 1.39
Arkona	36.43 37.06 35.42	33–66	60 45 50	$ \begin{array}{c c} 4.0 \\ 2.9 \\ 4.5 \\ 4.5 \\ 4.4 \end{array} $	1.0 0.9 1.2 1.5 *2.1	1.11 0.83 1.11 1.11 †1.67 †2.25
Aurora 1 Aylmer 1 Ayr Baden Bala	34.33 38.97 36.34 34.67	33–66	60 60 60	2.6 2.2 3.0 3.0 3.7	1.0 0.8 1.1 1.1 1.2	0.83 0.83 1.11 0.83 1.66
Bancroft Barrie. 1 Barry's Bay Bath Beachville	32.22 42.27 34.72		60 60 60	6.0 2.4 6.0 4.8 2.8	2.0 0.8 2.0 1.5 0.9	1.67 0.83 2.78 2.22 0.83
Beamsville Beardmore Imp. Dist Beaverton Beeton Belle River	39.15 43.23		60 60 45	2.2 4.4 2.8 4.0 3.5	0.8 *2.1 1.1 1.0 1.2 1.0	0.83 †1.67 ‡2.25 1.11 1.39 1.39
Belleville G Blenheim T Bloomfield Blyth Bobcaygeon	39.52 38.71 38.81		. 60 . 60 . 60	1.8 2.5 2.5 2.9 5.0	0.8 0.9 0.9 1.0 1.25	0.83 1.11 0.83 1.11 2.22

^{**}Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more. Where a service charge of 56 cents is used it applies to either 2-wire or 3-wire service.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951

С	ommerci	al light s	ervice	Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents 5.0 5.0 5.0 5.0 5.0	cents 2.0 2.6 2.3 2.6 3.2	cents 0.7 0.6 0.7 0.8 0.9	\$ 0.83 0.83 0.83 1.11 1.11	\$ 20.00 20.00 24.00 35.00 27.00	\$ 1.20 1.20 1.20 1.35 1.35	cents 1.4 1.4 2.1 3.5 2.3	cents 0.9 0.9 1.4 2.3 1.5	cents 0.30 0.30 0.30 0.30 0.33 0.33
5.0 5.0 5.0 5.0 5.0	2.3 3.0 2.2 3.6 3.5	1.0 0.9 0.6 1.0 1.0	0.83 0.83 1.11 1.11 1.39	20.00 30.00 22.00 31.00 30.00	1.20 1.35 1.20 1.35 1.35	1.4 2.8 1.7 2.9 2.8	0.9 1.8 1.2 1.9 1.8	0.30 0.33 0.30 0.33 0.33
5.0 5.0 5.0 5.0	3.5 2.6 4.0 4.5	0.8 0.8 1.0 1.0	1.11 0.83 1.11 1.11 †1.67	39.00 19.00 35.00 39.00	1.35 1.00 1.35 1.35	4.1 1.5 3.5 4.1	2.7 1.1 2.3 2.7	0.33 0.25 0.33 0.33
5.0	4.4	1.1	‡2.25	37.00	1.35	3.8	2.5	0.33
5.0 5.0 5.0 5.0 5.0	1.6 1.8 2.5 2.5 3.7	0.4 0.4 0.9 0.8 0.8	1.11 0.83 1.11 0.83 1.66	20.00 19.00 24.00 22.00 20.00	1.20 1.00 1.20 1.20 1.20	1.4 1.5 2.1 1.7 1.4	0.9 1.1 1.4 1.2 0.9	0.30 0.25 0.30 0.30 0.30
5.0 5.0 5.0 5.0 5.0	5.0 2.0 5.0 5.0 2.4	2.0 0.6 2.0 1.0 0.5	1.67 0.83 2.78 2.22 0.83	35.00 18.00 35.00 35.00 19.00	1.35 1.00 1.35 1.35 1.00	3.5 1.4 3.5 3.5 1.5	2.3 0.9 2.3 2.3	0.33 0.25 0.33 0.33 0.25
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0 5.0 5.0 5.0	4.4 2.0 3.5 2.9	1.1 0.8 1.0 0.7	†1.67 ‡2.25 1.11 1.39 1.39	37.00 24.00 30.00 32.00	1.35 1.20 1.35 1.35	3.8 2.1 2.8 3.1	2.5 1.4 1.8 2.0	0.33 0.30 0.33 0.33
5.0 5.0 5.0 5.0 5.0	1.6 2.1 2.3 2.4 5.0	0.6 0.6 0.7 0.8 1.0	0.83 1.11 0.83 1.11 2.22	17.00 25.00 30.00 30.00 35.00	1.00 1.35 1.35 1.35 1.35	1.3 2.0 2.8 2.8 3.5	0.8 1.3 1.8 1.8 2.3	0.25 0.33 0.33 0.33 0.33

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. †2-wire service.

^{‡3-}wire service.

					Trompt	- ayıncını
			Don	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First rate			
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	A!l addition- al per kwh	Minimum gross monthly bill
Bolton. Bothwell. Bowmanville. Bradford. Braeside.	49.71 34.23	cents	60 60 60 45 50	cents 2.9 2.5 3.0 4.2 4.0	cents 1.0 0.8 1.0 1.0 1.3	\$ 0.83 0.83 0.83 1.39 0.83
Brampton T Brantford C Brantford Twp. Brechin Bridgeport	33.20 32.51		60 60 60 60 60	2.3 2.0 3.4 4.0 3.0	1.0 1.0 1.3 1.2 0.9	0.83 0.83 1.11 1.11 0.83
Brigden T Brighton T Brockville T Brussels Burford	37.46		60 60 60 60 60	3.0 3.5 2.0 3.2 2.8	0.9 0.9 0.8 1.0 1.0	1.11 0.83 0.83 1.11 0.83
Burgessville	45.23		60 50	4.0 5.0	1.0 1.5 Special	1.11 2.50
Hamilton BeachT Cache Bay			60	3.5 6.0	1.1 2.0	0.83 1.67
Caledonia Campbellville Cannington Capreol Cardinal	37.71 39.90		60 60 60 50 55	2.3 3.0 3.2 3.6 2.8	1.0 1.3 1.0 1.0 1.1	1.11 1.11 1.11 1.39 1.11
Carleton Place To Cayuga Chatham Chatsworth Chesley Chesley	37.62 35.44 41.53		55 60 60 50 60	2.8 3.5 3.2 3.0 2.7	1.1 1.0 1.0 1.0 1.0	1.11 1.39 0.83 1.39 1.11
Chesterville Chippawa Clifford Clinton T	33.38 39.68		55 60 55 60	2.3 2.2 3.3 2.5	0.9 1.0 1.1 0.8 Special	0.83 0.83 1.11 0.83
Cobden	40.04 38.41 42.78	33-66	40 60 60 55 60	2.8 2.9 3.8 2.5 2.3	1.0 1.2 1.0 1.0 1.0	1.11 0.83 0.83 1.11 1.11

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

C	Commerc	ial light	service		Po	wer service	>			
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh		
cents 5.0 5.0 5.0 5.0 5.0	cents 2.5 1.9 2.4 3.7 4.0	cents 0.8 0.4 0.8 1.0 1.0	\$ 0.83 0.83 0.83 1.39 0.83	\$ 22.00 24.00 21.00 25.00 25.00	\$ 1.20 1.20 1.20 1.35 1.35	cents 1.7 2.1 1.6 2.0 2.0	cents 1.2 1.4 1.0 1.3 1.3	cents 0.30 0.30 0.30 0.33 0.33		
5.0	1.9	0.6	0.83	18.00	1.00	1.4	0.9	0.25		
z 5.0	1.7	0.5	0.83	18.00	1.00	1.4	0.9	0.25		
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30		
5.0	3.5	1.0	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	2.7	0.6	0.83	20.00	1.20	1.4	0.9	0.30		
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	3.0	0.7	0.83	21.00	1.20	1.6	1.0	0.30		
5.0	1.6	0.6	0.83	18.00	1.00	1.4	0.9	0.25		
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30		
5.0 5.0	3.5 4.5	0.8 1.5 Special	1.11 2.50	31.00 35.00	1.35 1.35	2.9 3.5 Special	1.9 2.3	0.33 0.33		
5.0	3.2	0.7	0.83	27.00	1.35	2.3	$\begin{array}{c} 1.5 \\ 2.3 \end{array}$	0.33		
5.0	6.0	2.0	1.67	35.00	1.35	3.5		0.33		
5.0	1.9	0.8	1.11	24.00	1.20	2.1	1.4	0.30		
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33		
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33		
5.0	3.2	0.8	1.39	31.00	1.35	2.9	1.9	0.33		
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33		
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30		
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33		
5.0	2.6	0.8	0.83	21.00	1.20	1.6	1.0	0.30		
5.0	2.5	0.9	1.39	30.00	1.35	2.8	1.8	0.33		
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30		
5.0 5.0 5.0 5.0	2.0 1.8 3.5 2.2	0.9 0.7 1.0 0.7 Special	0.83 0.83 1.11 0.83	22.00 19.00 32.00 25.00	1.20 1.00 1.35 1.35	1.7 1.5 3.1 2.0 Special	1.2 1.1 2.0 1.3	0.30 0.25 0.33 0.33		
5.0	2.5	1.0	1.11	35.00	1.35	3.5	2.3	0.33		
5.0	2.4	1.0	0.83	22.00	1.20	1.7	1.2	0.30		
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33		
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33		
5.0	1.8	1.0	1.11	19.00	1.00	1.5	1.1	0.25		

z—Minimum 500 watts.

					Trompe	aymene	
	1		Don	nestic se	rvice		
Municipality	Annual cost to the Commission on the works to		First rate				
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill	
Comber	\$ 42.76 41.74	cents	60 45	cents 3.1 4.3	cents 1.0 1.0 *2.1	\$ 0.83 1.39 †1.67	
Cottage Cove Townsite	40.13		60 60 60	4.4 { 3.0 3.0	1.1 1.0 1.1	‡2.25 -0.83 1.11	
Creemore	41.45 38.19 35.54			3.1 3.9 3.4 3.2 3.9	1.0 1.3 1.0 1.0 1.0	1.39 0.83 0.83 0.83 0.83	
Dorchester	37.40 38.81 39.76		55 60 60	2.6 4.0 3.0 3.5 3.5	1.0 1.3 1.1 1.0 1.1	0.83 1.11 1.11 1.11 1.11	
Dundalk Dundas 1 Dunnville 1 Durham 1 Dutton	29.93 36.20 36.69		60 60 60	2.7 2.5 2.1 2.7 2.3	1.0 1.0 0.9 1.1 1.0	1.11 0.83 0.83 1.11 0.83	
East York Twp. Elk Lake Townsite. Elmira. Elmvale. Elmwood.	34.64 42.37		60. 60	2.4 2.9 2.6 3.5	1.1 Special 0.9 1.0 0.9	0.83 1.11 0.83 1.11	
Elora	. 36.21		00	3.0 3.3	1.1 1.1 Special	1.11 0.83	
Erieau	41.26			3.7 5.3	1.0 1.5	1.11	
Erin Essex Etobicoke Twp. Exeter Fergus	41.75 . 33.17 r 38.77		60 60 60	5.0 2.8 2.5 2.6 2.9	1.5 0.9 1.0 1.0	1.39 1.11 0.83 0.83 1.11	
Finch Flesherton Fonthill Forest Forest Hill	31.71 33.71 43.56		60 60 60	3.0 2.8 2.8 3.4 2.5	1.2 1.0 1.0 1.0 1.1	1.39 1.11 0.83 0.83 0.83	

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. †2-wire service. ‡3-wire service.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

				Downer counies						
C	ommerc	ial light s	ervice		Po	wer service	:			
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh		
cents 5.0 5.0	cents 2.7 3.8	cents 0.8 1.0	\$ 0.83 1.39 †1.67	\$ 29.00 25.00	\$ 1.35 1.35	cents 2.6 2.0	cents 1.7 1.3	cents 0.33 0.33		
5.0 5.0 5.0	4.4 2.6 3.2	1.1 0.8 1.0	11.67 ‡2.25 0.83 1.11	37.00 27.00 39.00	1.35 1.35 1.35	3.8 2.3 4.1	2.5 1.5 2.7	0.33 0.33 0.33		
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30		
5.0	3.4	1.1	0.83	34.00	1.35	3.4	2.2	0.33		
5.0	3.0	0.8	0.83	30.00	1.35	2.8	1.8	0.33		
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33		
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33		
5.0	2.1	0.8	0.83	24.00	1.20	2.1	1.4	0.30		
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33		
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33		
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33		
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30		
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25		
5.0	1.8	0.6	0.83	18.50	1.00	1.5	0.9	0.25		
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33		
5.0	2.0	0.6	0.83	21.00	1.20	1.6	1.0	0.30		
5.0	1.9	0.6 Special	0.83	19.00	_ 1.00	1.5 Special	1.1	0.25		
5.0	2.5	0.7	1.11	22.00	1.20	1.7	1.2	0.30		
5.0	2.2	0.8	0.83	26.00	1.35	2.2	1.4	0.33		
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	2.6	0.7	1.11	22.00	1.20	1.7	1.2	0.30		
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33		
5.0 5.0	3.5 4.8	Special 0.9 1.0	1.11 1.67	38.00 39.00	x1.35 1.35	Special 4.0 4.1	2.6 2.7	0.33 0.33		
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33		
5.0	2.1	0.7	1.11	22.00	1.20	1.7	1.2	0.30		
5.0	1.9	0.5	0.83	18.00	1.00	1.4	0.9	0.25		
5.0	2.3	0.4	0.83	20.00	1.20	1.4	0.9	0.30		
5.0	2.5	0.5	1.11	21.00	1.20	1.6	1.0	0.30		
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33		
5.0	2.3	0.8	1.11	23.00	1.20	1.9	1.3	0.30		
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30		
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33		
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25		

			Don	nestic se	service		
Municipality	Annual cost to the Commission on the works to		First rate				
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill	
Fort William Control Galt Control Georgetown To Glen Williams Control Geraldton To Control Geraldton C	28.86 30.38 37.06	cents	60 60 60 60 60 60	cents 2.0 4.5 2.8 2.6 3.0 4.4 {	cents 0.8 1.2 0.8 1.0 1.1 *2.1	\$ 0.83 0.83 0.83 0.83 0.83 †1.67 ‡2.25	
Glencoe Goderich T Grand Valley Granton Gravenhurst T	46.32 38.37		60 60 60 60 60	3.0 3.0 2.8 3.9 1.9	0.9 1.1 1.0 1.4 0.8	1.11 0.83 1.11 1.11	
Grimsby. T Guelph. C Hagersville Haileybury Hamilton C	31.21 33.80		60 60 60	2.2 2.1 2.5	0.8 1.0 1.0 Special 0.9	0.83 0.83 0.83	
Hanover. T Harriston Harrow Tastings Havelock	37.20		60 55 60 45 60	2.4 3.0 3.3 4.2 3.6	1.0 1.0 1.2 1.0 1.5	0.83 0.83 0.83 1.11 0.83	
Hensall	32.28 44.05	56	60 60 60 60	$ \begin{array}{c} 3.2 \\ 4.0 \\ 3.0 \\ 3.2 \\ 3.5 \end{array} $	1.0 1.2 1.0 0.9 *1.6 0.75	0.83 1.67 0.83 0.83 †1.67 †2.25	
Hislop Townsite Holstein	39.50	90	60	3.0	1.0	1.11	
Hudson Townsite Humberstone. T Huntsville. T Ingersoll. T			60 60 60 60	3.0 4.4 2.4 2.4 2.8	*2.1 1.1 0.9 1.2 1.0	†1.67 ‡2.25 0.83 1.11 0.83	
Iroquois	38.21 39.38		60 60	2.5 2.8	1.0 0.9 *4.3	0.83 0.83 †1.67	
Jellicoe			60	8.6	*1.6	‡2.25 †1.67	
Kearns Townsite		56	40 55	3.5 { 3.2	0.75	‡2.25 0.83	

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. †2-wire service. ‡3-wire service.

STATEMENT C 243

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

C	Commerc	ial light s	service		Po	ower service	<u> </u>	
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents 5.0 5.0 5.0 5.0 5.0	cents 1.9 3.5 2.3 2.1 2.4	cents 0.4 1.0 0.4 0.7 0.8	\$ 0.83 0.83 0.83 0.83 11.67	\$ 18.00 20.00 17.00 20.00 23.00	\$ 1.00 1.20 1.00 1.20 1.20 1.20	cents 1.4 1.4 1.3 1.4 1.9	cents 0.9 0.9 0.8 0.9 1.3	cents 0.25 0.30 0.25 0.30 0.30
5.0	4.4	1.1	‡2.25	37.00	1.35	3.8	2.5	0.33
5.0 5.0 5.0 5.0 5.0	2.6 2.6 2.4 3.4 1.5	0.8 0.7 0.8 1.3 0.6	1.11 0.83 1.11 1.11 1.11	31.00 25.00 22.00 29.00 17.00	1.35 1.35 1.20 1.35 1.00	2.9 2.0 1.7 2.6 1.3	1.9 1.3 1.2 1.7 0.8	0.33 0.33 0.30 0.33 0.25
5.0 5.0 5.0	1.8 1.9 2.0	0.5 0.5 0.8 Special	0.83 0.83 0.83	18.00 17.00 19.00	1.00 1.00 1.00	1.4 1.3 1.5 Special	0.9 0.8 1.1	0.25 0.25 0.25
z5.0	1.7	0.5	0.83	16.50	1.00	1.2	07	0.25
5.0 5.0 5.0 5.0 5.0	2.0 2.6 2.9 3.6 3.1	0.7 0.7 0.8 1.0 1.3	0.83 0.83 0.83 1.11 0.83	20.00 25.00 26.00 37.00 30.00	1.20 1.35 1.35 1.35 1.35	1.4 2.0 2.2 3.8 2.8	0.9 1.3 1.4 2.5 1.8	0.30 0.33 0.33 0.33 0.33
5.0 5.0 5.0 5.0	2.7 3.5 2.5 2.8	0.9 1.0 0.7 0.7	0.83 1.67 0.83 0.83	24.00 39.00 20.00 29.00	1.20 1.35 1.20 1.35	2.1 4.1 1.4 2.6	1.4 2.7 0.9 1.7	0.30 0.33 0.30 0.33
5.0	3.5	1.0	†1.67 ‡2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0 5.0 5.0 5.0	4.4 1.9 2.2 2.2	1.1 0.6 1.1 0.6	†1.67 ‡2.25 0.83 1.11 0.83	37.00 20.00 21.00 19.00	1.35 1.20 1.20 1.00	3.8 1.4 1.6 1.5	2.5 0.9 1.0 1.1	0.33 0.30 0.30 0.25
5.0 5.0 5.0	2.0 2.3 8.6	0.8 0.6 1.1	0.83 0.83 †1.67 ‡2.25	23.00 24.00 50.00	1.20 1.20 1.35	1.9 2.1 5.7	1.3 1.4 3.8	0.30 0.30 0.33
5.0 5.0	3.5	1.0	†1.67 ‡2.25 0.83	30.00 25.00	1.35 1.35	2.8 2.0	1.8 1.3	0.33 0.33

^{†2-}wire service.

					Prompt	Payment
			Dor	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First rate			
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
Kincardine	\$ 40.70	cents	50	cents 3.1	cents 1.0 *1.6	\$ 1.11 †1.67
King Kirkland Townsite Kingston C Kingsville T Kirkfield	30.56	56 	40 50 -60 50	3.5 { 1.8 2.7 5.0	0.75 0.8 1.0 1.2	‡2.25 0.83 0.83 1.66
Kirkland Lake Kitchener C Lakefield Lambeth Lanark	30.90 36.74		60 55 60 50	2.3 2.8 3.5 3.8	Special 1.1 1.0 1.3 1.2	0.83 0.83 0.83 0.83
Lancaster	37.86		60	3.0	1.0 Special	0.83
La Salle Latchford Leamington T	42.95		60 60 60	4.2 5.0 2.3	1.4 2.0 0.9	1.67 1.67 1.11
Lindsay. T Listowel. T London C London Twp. Long Branch. T	38.03 33.76 36.55		60	2.3 2.6 2.4 3.1 2.2	1.0 1.0 0.9 1.1 0.8	0.83 0.83 0.83 1.11 0.83
Lucan Lucknow Lynden Madoc Magnetawan	40.06 37.22 38.14		55 60 60	3.2 2.7 3.0 2.9 6.0	1.1 1.0 1.0 1.2 2.0	0.83 1.39 0.83 0.83 3.60
Markdale Markham Marmora Martintown	36.79		60	2.0 2.8 3.6 3.0	1.0 1.0 1.0 1.0	0.83 0.83 0.83 1.11
Matachewan Townsite			50	4.5	1.0	1.11
Matheson	37.56	56	40 55	3.5 3.1	*1.6 0.75 1.0 Special	†1.67 ‡2.25 0.83
McGarry Imp. Dist Meaford	37.24		00	2.6 3.1	1.0 1.0	0. 83 0. 83
Merrickville Merritton 1 Midland 1 Mildmay Millbrook	32.25 33.61 37.05			5.0 2.5 2.8 2.3 2.8 4.6	1.0 1.2 0.8 1.0 1.0	1.11 0.83 0.83 1.39 0.83

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. †2-wire service. ‡3-wire service.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

Discount 10%

	Commerc	ial light	service		Power service					
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh		
cents 5.0	cents 2.6	cents 0.8	\$ 1.11 +1.67	\$ 26.00	\$ 1.35	cents 2.2	cents 1.4	cents 0.33		
5.0 5.0 5.0 5.0	3.5 1.5 2.0 4.5	1.0 0.7 0.7 1.0	†1.67 ‡2.25 0.83 0.83 1.66	30.00 18.00 23.00 39.00	1.35 1.00 1.20 1.35	2.8 1.4 1.9 4.1	1.8 0.9 1.3 2.7	0.33 0.25 0.30 0.33		
5.0 5.0 5.0 5.0	2.1 2.4 3.1 3.3	Special 0.8 0.8 1.1 1.0	0.83 0.83 0.83 0.83	21.00 22.00 39.00 38.00	1.20 1.20 1.35 1.35	Special 1.6 1.7 4.1 4.0	1.0 1.2 2.7 2.6	0.30 0.30 0.33 0.33		
5.0	2.5	1.0 Special	0.83	35.00	1.35	3.5 Special	2.3	0.33		
5.0 5.0 5.0	3.7 4.5 2.0	1.1 2.0 0.5	1.67 1.67 1.11	31.00 30.00 21.00	1.35 1.35 1.20	2.9 2.8 1.6	1.9 1.8 1.0	0.33 0.33 0.30		
5.0 5.0 5.0 5.0 5.0	2.0 2.3 1.8 2.7 1.8	0.9 0.6 0.4 0.7 0.5	0.83 0.83 0.83 1.11 0.83	19.00 21.00 16.00 23.00 18.00	1.00 1.20 1.00 1.20 1.00	1.5 1.6 1.1 1.9 1.4	1.1 1.0 0.7 1.3 0.9	0.25 0.30 0.25 0.30 0.25		
5.0 5.0 5.0 5.0 5.0	2.7 2.2 2.5 2.5 5.5	0.6 0.8 0.8 1.1 2.0	0.83 1.39 0.83 0.83 3.60	24.00 30.00 23.00 30.00 35.00	1.20 1.35 1.20 1.35 1.35	2.1 2.8 1.9 2.8 3.5	1.4 1.8 1.3 1.8 2.3	0.30 0.33 0.30 0.33 0.33		
5.0 5.0 5.0 5.0	1.8 2.4 3.2 3.0	0.8 0.6 0.9 1.0	0.83 0.83 0.83 1.66	21.00 21.00 27.00 30.00	1.20 1.20 1.35 1.35	1.6 1.6 2.3 2.8	1.0 1.0 1.5 1.8	0.30 0.30 0.33 0.33		
5.0	3.5	1.0	†1.67 ‡2.25	30.00	1.35	2.8	1.8	0.33		
5.0 5.0	3.5 2.8	1.0 1.0 Special	†1.67 ‡2.25 0.83	30.00 35.00	1.35 1.35	2.8 3.5 Special	1.8 2.3	0.33 0.33		
5.0 5.0	2.2 2.6	0.8 0.7	0.83 0.83	24.00 30.00	1.20 1.35	2.1 2.8	1.4 1.8	0.30 0.33		
Same : 5.0 5.0 5.0 5.0 5.0	as Dom 2.2 1.8 2.4 4.2	estic 0.8 0.7 0.8 1.0	0.83 0.83 1.39 0.83	19.00 17.00 30.00 35.00	1.00 1.00 1.35 1.35	Special 1.5 1.3 2.8 3.5	1.1 0.8 1.8 2.3	0.25 0.25 0.33 0.33		

†2-wire service.

‡3-wire service.

					Trompt	
			Don	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First	rate		
c-City T-Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
Milton T Milverton Mimico T Mitchell T Moorefield	38.53 31.11	cents	60 60 60 60 60	cents 2.8 3.0 2.5 3.3 3.2	cents 1.1 1.1 1.1 1.2 1.0	\$ 0.83 1.11 0.83 0.83 1.39
Morrisburg Mount Brydges To Napanee To Neustadt	39.52 36.88		60 60 60 60 60	3.0 2.4 2.8 2.8 3.0	1.0 0.8 1.0 1.1 1.0	0.83 0.83 0.83 0.83 1.39
Newboro Newburgh Newbury Newcastle New Hamburg	37.08 43.42 38.27		60	5.0 4.3 4.0 3.0 3.0	1.5 1.2 1.0 0.9 1.1	3.33 1.39 1.11 1.11 0.83
New Liskeard Newmarket Town Toronto Niagara Niagara Falls Town Town Town Town Town Town Town Town	32.89 31.02		60 60 60 60	2.4 2.5 2.8 1.9	Special 0.8 1.0 1.1 0.8	0.83 0.83 0.83 1.00
Nipigon Twp. North Bay C North York Twp. Norwich Norwood	32.44 37.77		60 60 60 60 50	2.8 2.3 2.8 2.5 3.9	1.0 1.0 1.4 0.9 1.1	1.11 0.83 0.83 0.83 1.11
Oakville	45.85 37.91 40.37		60 55	2.8 2.6 3.3 2.8 4.5	1.2 0.9 1.0 1.0	0.83 1.11 0.83 1.11 1.11
Oshawa	33.20		60 (60	3.0	1.1	0.83
Ottawa	37.79 32.97	33-66	60 60 60	$\left\{ \begin{array}{c} 2.0 \\ 1.0 \\ 2.6 \\ 2.4 \\ 4.0 \end{array} \right\}$	0.5 0.9 1.0 1.0	0, 83 0, 83 1, 11 1, 39
Palmerston : Paris : T Parkhill : Parry Sound : T Penetanguishene : T	31.86 41.47 37.06		60 60 60	2.6 2.4 3.4 3.2 2.4	1.0 1.0 1.0 1.5 0.9	1.11 0.83 1.11 0.83 0.83

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

C	Commerc	ial light	service	Power service					
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh	
cents	cents	cents	\$	\$ 23.00 21.00 21.00 26.00 30.00	\$	cents	cents	cents	
5.0	2.3	0.8	0.83		1.20	1.9	1.3	0.30	
5.0	2.6	1.0	1.11		1.20	1.6	1.0	0.30	
5.0	2.2	0.8	0.83		1.20	1.6	1.0	0.30	
5.0	2.8	0.8	0.83		1.35	2.2	1.4	0.33	
5.0	2.8	0.9	1.39		1.35	2.8	1.8	0.33	
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30	
5.0	1.8	0.5	0.83	20.00	1.20	1.4	0.9	0.30	
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33	
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30	
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33	
5.0	4.5	1.5	5.55	30.00	1.35	2.8	1.8	0.33	
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33	
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33	
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33	
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30	
5.0 5.0 5.0 5.0	2.2 1.9 2.3 1.7	Special 0.7 0.7 0.7 0.6	0.83 0.83 0.83 1.00	22.00 19.00 21.00 16.00	1.20 1.00 1.20 1.00	Special 1.7 1.5 1.6 1.1	1.2 1.1 1.0 0.7	0.30 0.25 0.30 0.25	
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30	
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30	
5.0	2.7	1.0	0.83	20.00	1.20	1.4	0.9	0.30	
5.0	2.2	0.7	0.83	20.00	1.20	1.4	0.9	0.30	
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.30	
5.0	2.5	1.0	0.83	19.00	1.00	1.5	1.1	0.25	
5.0	2.4	0.6	1.11	27.00	1.35	2.3	1.5	0.33	
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33	
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25	
5.0	4.0	0.8	1.11	35.00	1.35	3.5	2.3	0.33	
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30	
5.0	2.1	0.5	0.83	18.00	a1.00	1.8	1.2	0.15b	
5.0	2.2	0.5	0.83	22.00	1.20	1.7	1.2	0.30	
5.0	2.1	0.8	1.11	19.00	1.00	1.5	1.1	0.25	
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33	
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30	
5.0	1.9	0.5	0.83	16.00	1.00	1.1	0.7	0.25	
5.0	2.7	1.0	1.11	32.00	1.35	3.1	2.0	0.33	
5.0	2.7	1.2	0.83	24.00	1.20	2.1	1.4	0.30	
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30	

a-\$1.00 per hp.

b-Local discount 15 & 10 %.

					Prompt	Payment
			Don	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First	rate		
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
Perth T Peterborough C Petrolia T Picton T Plattsville	\$ 33.46 31.73 41.24 36.12 37.93	cents	55 60 60 60 60	cents 2.8 2.2 3.1 2.0 3.3	cents 1.0 1.1 1.0 0.8 1.2	\$ 0.83 0.83 0.83 0.83
Point Edward Port Arthur Co Port Carling Port Colborne Tort Credit T	36.85 28.53 33.77 34.83	33-66	60 60 45 60 60	3.5 2.0 4.7 2.7 2.4	1.2 0.8 1.5 0.9 1.1	0.83 0.83 1.66 0.83 0.83
Port Dalhousie T Port Dover T Port Elgin T Port Hope T Port McNicoll	35.24 36.57 40.66 38.78 33.59		60 60 60 60 60	2.9 2.2 3.5 2.4 3.3	1.1 0.8 1.3 1.1 1.0	0.83 0.83 1.11 0.83 0.83
Port Perry	37.92 39.86 38.78		50 60 60	4.0 3.2 2.8	1.2 1.1 0.9 *1.6	1.11 1.11 1.11 †1.67
Powassan	36.97	56	40 60	3.5 \ 2.9	0.75 1.3	‡2.25 0.83
Preston T Priceville Queenston Queenston Red Lake Townsite	30.03 45.91 38.38 31.72		60 60 60 60	$ \begin{array}{c} 2.9 \\ 5.0 \\ 3.0 \\ 2.6 \\ 4.4 \end{array} $	0.9 1.5 1.0 1.0 *2.1 1.1	0.83 1.67 1.39 0.83 †1.67 ‡2.25
Red Rock Imp. Dist. Renfrew	28.51 33.02 32.86 37.32 42.61		60 45 40 60 60	3.0 { 3.5 4.3 2.5 2.4	1.1 1.0 1.2 0.9 0.9	†1.67 ‡2.22 0.83 1.67 0.83 0.83
Ripley	40.76 39.62 39.02 44.93 38.20		55 60 60 60 60	4.8 3.3 3.0 2.4 4.0	1.0 1.1 1.1 0.8 2.0	1.67 1.11 0:83 0.83 2.22
Russell C St. Catharines C St. Clair Beach St. George St. Jacobs	40.03 37.12		55 60 60 60 60	4.6 2.2 3.6 2.5 2.6	1.2 1.0 1.2 0.9 1.0	1.39 1.00 1.11 0.83 0.83

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. †2-wire service. ‡3-wire service.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

C	ommerci	ial light s	service		Po	wer service		
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents 5.0 5.0 5.0 5.0 5.0	cents 2.0 2.0 2.4 1.7 3.0	cents 0.6 0.9 0.8 0.5 1.0	\$ 0.83 0.83 0.83 0.83 0.83	\$ 17.00 18.00 28.00 18.00 29.00	\$ 1.00 1.00 1.35 1.00 1.35	cents 1.3 1.4 2.5 1.4 2.6	cents 0.8 0.9 1.6 0.9 1.7	cents 0.25 0.25 0.33 0.25 0.33
5.0 5.0 5.0 5.0 5.0	3.0 1.9 4.5 2.4 2.1	1.0 0.4 0.8 0.7 0.8	0.83 0.83 1.66 0.83 0.83	28.00 18.00 32.00 20.00 22.00	1.35 1.00 1.35 1.20 1.20	2.5 1.4 3.1 1.4 1.7	1.6 0.9 2.0 -0.9 1.2	0.33 0.25 0.33 0.30 0.30
5.0 5.0 5.0 5.0 5.0	2.3 1.7 2.8 2.0 2.8	0.7 0.6 1.0 0.9 0.8	0.83 0.83 1.11 0.83 0.83	19.00 18.00 28.00 21.00 26.00	1.00 1.00 1.35 1.20 1.35	1.5 1.4 2.5 1.6 2.2	1.1 0.9 1.6 1.0	0.25 0.25 0.33 0.30 0.33
5.0 5.0 5.0	3.2 2.7 2.4	1.0 0.9 0.6	1.11 1.11 1.11 †1.67	28.00 33.00 26.00	1.35 1.35 1.35	2.5 3.2 2.2	1.6 2.1 1.4	0·33 0.33 0.33
5.0 5.0	3.5 2.6	1.0	‡2.25 0.83	30.00 22.00	1.35 1.20	2.8 1.7	1.8 1.2	0.33 0.30
5.0 5.0 5.0 5.0	2.4 4.5 2.7 2.1	0.6 1.5 0.8 0.8	0.83 1.67 1.39 0.83 †1.67	18.00 33.00 24.00 24.00	1.00 1.35 1.20 1.20	1.4 3.2 2.1 2.1	0.9 2.1 1.4 1.4	0.25 0.33 0.30 0.30
5.0	4.4	1.1	‡2.25	37.00	1.35	3.8	2.5	0.33
5.0 5.0 5.0 5.0 5.0	3.0 2.0 4.0 2.0 1.9	1.0 0.5 1.0 0.6 0.6	†1.67 ‡2.22 0.83 1.67 0.83 0.83	21.00 21.00 35.00 20.00 20.00	1.20 1.20 1.35 1.20 1.20	1.6 1.6 3.5 1.4 1.4	1.0 1.0 2.3 0.9 0.9	0.30 0.30 0.33 0.30 0.30
5.0 5.0 5.0 5.0 5.0	4.3 2.6 2.5 2.1 4.0	0.8 0.6 0.9 0.5 2.0	1.67 1.11 0.83 0.83 2.22	30.00 25.00 27.00 24.00 39.00	1.35 1.35 1.35 1.20 1.35	2.8 2.0 2.3 2.1 4.1	1.8 1.3 1.5 1.4 2.7	0.33 0.33 0.33 0.30 0.33
5.0 z5.0 5.0 5.0 5.0	4.3 1.9 3.5 2.0 2.2	1.0 0.5 1.1 0.6 0.8	1.39 a1.00 1.11 0.83 0.83	35.00 17.00 32.00 22.00 20.00	1.35 1.00 1.35 1.20 1.20	3.5 1.3 3.1 1.7 1.4	2.3 0.8 2.0 1.2 0.9	0.33 0.25 0.33 0.30 0.30

^{†2-}wire service.

z—Minimum 500 watts.

^{‡3-}wire service.

a—\$1.00 or \$1.00 per kw.

			Dor	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First	rate		
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
St. Marys	33.87 36.35 32.42	cents	60 60 60 60 60	cents 3.5 2.6 3.0 2.6 5.0	cents 1.2 1.0 1.2 1.1 2.0	\$ 0.83 0.83 0.83 0.83 3.89
Seaforth T Shelburne Simcoe T Sioux Lookout T Smiths Falls T	40.98 32.09		60 60 60 60 60	3.1 2.7 2.2 4.0 2.6	1.2 1.0 0.8 1.5 1.0	0.83 1.11 0.83 2.00 0.83
Smithville. Southampton. South Porcupine Townsite. Springfield. Stamford Twp.	40.68 38.67		60 50 60 60	3.0 3.2 3.4 2.7	0.9 1.1 Special 0.9 1.0	0.83 1.11 0.83 1.00
Stayner Stirling Stoney Creek Stouffville Stratford	33.13 33.48 35.81		55 60 60 60 60	3.0 2.5 3.5 2.1 2.6	1.0 1.0 1.1 0.8 0.9	0.83 0.83 0.83 0.83 0.83
Strathroy T Streetsville Sturgeon Falls T Sudbury Sunderland	34.25		60 60 60	3.1 2.8 2.4 3.5	0.9 1.0 Special 1.0 1.0	0.83 0.83 0.83 1.11
Sutton Swansea Tara Tara Tavistock Tecumseh Tara	43.58 36.32		60 60 60 60 60	2.7 2.4 2.8 2.5 3.5	1.0 1.1 1.2 0.9 1.0	1.11 0.83 1.11 0.83 1.11
Teeswater	44.86		60	3.0	1.0 *1.6	1.11 †1.67
Terrace Bay Imp. Dist. Thamesford. Thamesville. Thedford		56	40 60 60 60	3.5 { 3.1 3.0 3.6	0.75 1.1 1.0 1.0	†2.25 0.83 0.83 0.83
Thornbury. Thorndale.	36.52		60 60	3.5 4.1	1.0	0.83 0.83
Thornloe Thornton Thorold Thorold Thorold	33.57		60 60	3.8 2.1	Special 1.0 0.9	1.39 0.83

^{*2-}wire service next 80 kwh, 3-wire service next 180 kwh. *2-wire service. \$\frac{1}{3}\$-wire service.

²-wire service.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Continued

C	Commerc	ial light	service		Po	wer service	e			
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh		
cents 5.0 5.0 5.0 5.0 5.0	cents 3.0 1.9 2.5 2.1 5.0	cents 1.0 0.4 0.8 0.7 2.0	\$ 0.83 0.83 0.83 0.83 3.89	\$ 23.00 17.00 27.00 21.00 30.00	\$ 1.20 1.00 1.35 1.20 1.35	cents 1.9 1.3 2.3 1.6 2.8	cents 1.3 0.8 1.5 1.0 1.8	cents 0.30 0.25 0.33 0.30 0.33		
5.0 5.0 5.0 5.0 5.0	2.6 2.3 1.8 3.5 2.0	0.9 0.9 0.5 2.0 0.7	0.83 1.11 0.83 x1.00 0.83	24.00 20.00 19.00 30.00 19.00	1.20 1.20 1.00 1.35 1.00	2.1 1.4 1.5 2.8 1.5	1.4 0.9 1.1 1.8 1.1	0.30 0.30 0.25 0.33 0.25		
5.0 5.0	2.5 2.9	0.7	0.83 1.11	25.00 26.00	1.35 1.35	2.0	1.3 1.4	0.33 0.33		
5.0 5.0	2.9 2.4	Special 0.8 0.7	0.83 1.00	30.00 18.00	1.35 1.00	Special 2.8 1.4	1.8 0.9	0.33 0.25		
5.0 5.0 5.0 5.0 5.0	2.3 2.0 3.2 1.8 2.0	0.9 1.0 0.7 0.5 0.4	0.83 0.83 0.83 0.83 0.83	21.00 19.00 27.00 20.00 18.00	1.20 1.00 1.35 1.20 1.00	1.6 1.5 2.3 1.4 1.4	1.0 1.1 1.5 0.9 0.9	0.30 0.25 0.33 0.30 0.25		
5.0 5.0	2.5 2.3	0.6 0.5	0.83 0.83	22.00 20.00	1.20 1.20	1.7 1.4	1.2 0.9	0.30 0.30		
5.0 5.0	2.4 3.0	Special 0.8 0.8	0.83 1.11	24.00 33.00	1.20 1.35	Special 2.1 3.2	1.4	0.30 0.33		
5.0 5.0 5.0 5.0 5.0	2.4 2.0 2.4 2.0 2.9	0.7 0.8 1.0 0.5 0.7	1.11 0.83 1.11 0.83 1.11	28.00 20.00 31.00 20.00 27.00	1.35 1.20 1.35 1.20 1.35	2.5 1.4 2.9 1.4 2.3	1.6 0.9 1.9 0.9 1.5	0.33 0.30 0.33 0.30 0.33		
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33		
5.0 5.0 5.0 5.0	3.5 2.5 2.5 3.2	1.0 0.8 0.6 0.7	†1.67 ‡2.25 0.83 0.83 0.83	30.00 24.00 26.00 28.00	1.35 1.20 1.35 1.35	2.8 2.1 2.2 2.5	1.8 1.4 1.4 1.6	0.33 0.30 0.33 0.33		
5.0 5.0	3.0 3.7	0.8	0.83 0.83	20.00 36.00	1.20 1.35	1.4	0.9 2.4	0.30 0.33		
5.0 5.0	3.3	Special 1.0 0.6	1.39 0.83	30.00 18.00	1.35 1.00	Special 2.8 1.4	1.8 0.9	$\begin{array}{c} 0.33 \\ 0.25 \end{array}$		

^{†2-}wire service. x—Per 100 watts—min. \$2.00 max. \$5.00.

					Trompt	aymem
			Don	nestic se	rvice	
Municipality	Annual cost to the Commission on the works to		First	rate		
c—City T—Municipality (Pop. 2,000 or more)	serve electric energy to munici- pality on a kilowatt basis	Service charge per month	Number of kwh per month	Per kwh per month	All addition- al per kwh	Minimum gross monthly bill
Tilbury	32.16	cents		cents 2.3 2.6	cents 0.9 0.9 Special	\$ 0.83 0.83
Toronto	31.60		60	1.8	1.2	0.83
Toronto Twp	33.47		60	2.7	1.2	1.11
Tottenham. Trafalgar Twp. Trenton	35.53 28.59		50 60 60 50 60	3.5 3.9 1.8 3.8 3.1	1.0 1.9 0.8 1.0 1.0	1.39 x0.83 0.83 0.83 1.11
Victoria Harbour Walkerton T Wallaceburg T Wardsville Warkworth	37.47		60 50 60 60 50	2.8 3.2 2.6 3.6 3.5	1.2 1.1 0.8 0.9 1.2	1.11 1.11 0.83 1.11 1.11
Waterdown	35.86 31.60		60 60 60 60 55	2.6 2.3 2.0 3.1 3.0	1.0 0.9 0.9 1.1 1.0	0.83 0.83 0.83 0.83 1.11
Welland	36.53 37.35 41.82		60 60 60 60 60	1.9 3.0 2.5 2.7 2.3	0.8 1.2 0.9 0.9 1.0	0.83 0.83 0.83 1.11 0.83
Westport Wheatley Whitby T Wiarton T Williamsburg	42.38 33.58 42.64		50 60 60 50 60	4.0 2.9 2.7 2.8 2.0	1.0 1.0 1.2 0.9 0.8	1.94 0.83 0.83 1.11 0.83
Winchester Windermere Windsor Wingham Woodbridge	35.72 36.14 37.84		50	2.3 4.0 3.0 3.2 2.6	1.0 1.5 0.8 1.1 0.9	0.83 2.22 0.83 1.11 0.83
Woodstock	41.76 40.15 31.43		50 60	2.9 3.8 3.4 2.2 3.7	1.0 1.0 1.0 0.9 1.2	1.11 1.11 0.83 0.83 0.83

xUnder 10 kw 83 cents; over 10 kw \$2.22 in former area No. 1. Under 10 kw \$1.11; over 10 kw \$2.22 in former area No. 2.

Customers in Municipalities, Groups 1, 2, and 4 Power Commission of Ontario Year 1951—Concluded

C		ial light s	service	Power service						
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All ad- ditional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh		
cents	cents	cents	\$	\$	\$	cents	cents	cents		
5.0	1.9	0.7	0.83	18.50	1.00	1.5	0.9	0.25		
5.0	2.1	0.6	0.83	20.00	1.20	1.4	0.9	0.30		
z7.5	1.9	Special 0.5	0.83	21.00	1.00 b d-c	Special 2.0 3.0	1.0 1.2	0.31 0.60		
5.0	2.3	0.9	1.11	22.00	1.20	1.7	1.2	0.30		
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33		
5.0	3.2	1.1	0.83	28.00	1.35	2.5	1.6	0.33		
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25		
5.0	3.3	1.0	0.83	29.00	1.35	2.6	1.7	0.33		
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33		
5.0	2.3	1.0	1.11	28.00	1.35	2.5	1.6	0.33		
5.0	2.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33		
5.0	2.0	0.5	0.83	19.00	1.00	1.5	1.1	0.25		
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33		
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33		
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30		
5.0	1.8	0.6	0.83	17.00	1.00	1.3	0.8	0.25		
5.0	1.9	0.6	0.83	20.00	1.20	1.4	0.9	0.30		
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33		
5.0	2.2	1.0	1.11	33.00	1.35	3.2	2.1	0.33		
5.0 5.0 5.0 5.0 5.0	1.7 2.7 2.3 2.4 1.8	0.6 1.0 0.7 0.6 0.7	0.83 0.83 0.83 1.11 0.83	17.00 25.00 25.00 26.00 19.00	1.00 1.35 1.35 1.35 1.00	1.3 2.0 2.0 2.2 1.5	0.8 1.3 1.4 1.1	0.25 0.33 0.33 0.33 0.25		
5.0	3.5	1.0	1.94	39.00	1.35	4.1	2.7	0.33		
5.0	2.7	0.7	0.83	26.00	1.35	2.2	1.4	0.33		
5.0	2.3	1.0	0.83	28.00	1.35	2.5	1.6	0.33		
5.0	2.3	0.8	1.11	33.00	1.35	3.2	2.1	0.33		
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33		
5.0	1.8	0.8	0.83	22.00	1.20	1.7	1.2	0.30		
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33		
5.0	2.5	0.6	0.83	20.00	1.20	1.4	0.9	0.30		
5.0	2.6	0.8	1.11	28.00	1.35	2.5	1.6	0.33		
5.0	2.2	0.7	0.83	19.00	1.00	1.5	1.1	0.25		
5.0	2.0	0.8	1.11	19.00	1.00	1.5	1.1	0.25		
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33		
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33		
5.0	2.0	0.6	0.83	19.00	1.00	1.5	1.1	0.25		
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33		

z—Minimum 500 watts.
 b—Direct-current service charge \$1.50 per kw per month for first 7½kw plus \$1.05 per kw for all additional demand.

STATEMENT "D"

Statement "D" gives useful and interesting information concerning the customers in the co-operating municipalities. It gives for each of these municipalities the population, and for each of the three main classes of service the revenue, number of customers, average consumption or load, and certain average unit costs.

Revenues shown are the totals received by the municipal electrical utilities for each class of service. These revenues are required to cover the cost of purchased power and to provide for local operating costs, depreciation and other reserves, as well as the retirement of capital debt. When operating surpluses occur, these may be used for the extension or improvement of plant.

or applied towards a reduction in rates.

The average costs shown per kilowatt-hour are the result of dividing total revenues for each class of service by the total kilowatt-hours consumed. While these average costs are in part dependent upon the rates to customers shown in statement "C", they also reflect the combined effect of many other variables. They should not be used, therefore, in comparing the cost of

service in one municipality with the cost in another.

Within any municipality an increase in consumption is one of the main factors in reducing the average cost per unit of energy or power. Where energy consumption is high because of the generous use of a variety of electrical appliances, greater advantage is taken of low follow-up rates or of economical water-heater rates. Average costs per kilowatt-hour in these places are low. In Ontario municipalities a large annual consumption per domestic customer is a feature of electrical service. The following summary substantiates this fact.

Type of municipality	No.	Average annual consumption per domestic customer							
			1,000— 1,999 kwh		3,000— 3,999 kwh	4,000+ kwh			
Cities	27	0	0	3	11	13			
Voted Areas	9	0	0	0	3	6			
Towns	92	1	8	24	37	22			
Smaller Municipalities	194	6	59	81	33	15			
Not Shown	2								

The Commission has always aimed to extend the benefits of electrical service to every community that can be reached economically by transmission lines. Some municipalities are so distant from a source of supply, or have such small power requirements, that the cost of delivering power to them is relatively high when compared with that of communities more favourably situated. Even so, service is provided if customers are able and willing to pay the cost. The economy of the Commission's operations is borne out by the average cost of power throughout the Province. For domestic service over 98.5 per cent of the energy used by customers served through municipal utilities in 1951 cost on the average 1.55 cents or less per kilowatt-hour. Similarly for the municipal utilities, 2 cents or less per kilowatt-hour was the average cost for commercial light service for over 97.1 per cent of the energy used. Over 97.4 per cent of aggregate kilowatts sold for power service in these municipalities cost on the average less than \$34 per kilowatt.

Power service rates incorporate charges both for power (kilowatts of demand) and for energy (kilowatt-hours consumed). A customer is thus required to pay first for his share of the demand that the municipal system

is obliged to supply, and second for the continued use of the energy represented by part or all of that demand. The ratio between the number of kilowatt-hours actually used and the possible number of kilowatt-hours if the power demand were continuously used, is known as the load factor. If the customer uses his demand for a brief time only, his load factor is low and energy charges form a relatively small part of his total cost. If he uses his demand for a long period, his load factor is high and energy charges are a more important part of the total cost. For a given demand, an increase in the load factor, by increasing the total cost, raises the average cost per kilowatt of demand; on the other hand, it lowers the average cost per kilowatt-hour by spreading the total cost over a greater number of kilowatt-hours.

The retail rate schedule for any municipality is devised with due regard for load factors within each class of service and also for the relative magnitude of each class of service load within the municipality. In this calculation many variables are involved. It is unsound, therefore, to give much validity to the average cost per kilowatt-hour for any class of service when comparing rates in various municipalities. Still less valid for comparative purposes is the average cost per kilowatt-hour calculated by indiscriminately grouping revenues and consumption of all classes of service.

The example given below will show that within two municipalities, A and B, with identical rates and the same total energy consumption, the average costs per kilowatt-hour vary because of differences in load distribution. In Municipality C, where lower rates prevail, the load distribution results in a higher average cost per kilowatt-hour than in Municipality A. The difference lies in the relative quantities of energy sold for each class of service.

	Municipa	lity A	Municip	ality B	Municipa	ality C
Class of service	Energy sales	Revenue	Energy sales	Revenue	Energy sales	Revenue
Residence Power		\$ 40,000 90,000	'000 kwh 5,000 @ 4c 5,000 @ 1c	\$ 200,000 50,000	'000 kwh 3,000 @ 3c 7,000 @ .75c	\$ 90,000 52,500
TotalAverage cost per kwh	10,000	130,000	10,000	250,000 5c	10,000	142,500 25c

Compared with domestic or commercial light service, industrial power service usually requires a smaller capital investment in distribution lines and equipment per unit of energy sold. In Municipality A the rates are 33 per cent higher than in Municipality C, but the predominance of the power service load in Municipality A reduces its average cost per kilowatthour by nearly 9 per cent.

The statistics in statement "D", therefore, should be used only as a measure of the general economy of service to the customers in the co-operating municipalities. Actual bills rendered to typical customers for similar service under closely comparable conditions will be the best basis for making comparisons. For these comparisons the actual schedules of statement "C"

should be used in conjunction with typical loads.

For convenience, the municipalities represented in statement "D" have been listed alphabetically in four classifications: (i) cities over 10,000 in population, (ii) suburban areas densely populated and adjacent to cities, (iii) municipalities with population of 2,000 or more, and (iv) municipalities, including villages and suburban areas, whose population is under 2,000.

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the

CITIES

			Domest	IC SERVI	CE		
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Belleville Brantford Chatham Fort William Galt	No. 19,423 36,602 21,473 34,926 19,362	343,712.94 200,246.03 468,837.43	kwh 27,911,338 36,192,909 13,357,157 70,122,781 20,728,951	No. 5,294 9,760 5,672 9,698 5,496	kwh 439 309 196 603 314	4.03	. 950 1. 499
Guelph Hamilton Kingston Kitchener London	27,140 201,296 42,437 48,773 95,612	1,830,720.74 427,149.64 528,558.76	26,549,680 173,895,903 49,797,787 50,201,252 99,243,406	7,034 53,355 9,982 11,553 25,012	315 272 416 362 331	2.86 3.57 3.81	1.090 1.052 .858 1.052 0.944
Niagara Falls North Bay Oshawa Ottawa Owen Sound	18,740 40,727	200,249.05 524,904.05 2,380,510.89	44,893,058	5,822 4,464 10,924 51,951 4,540	333 372 342 479 289	3.74 4.00 3.82	.866 1.005 1.169 0.797 1.166
Peterborough Port Arthur St. Catharines St. Thomas Sarnia	37,192 32,082 38,146 18,775 33,976	378,212.62 363,958.88 216,405.07	46,172,291 42,202,160 36,875,263 21,314,485 23,504,870	9,964 8,684 10,642 5,401 9,347	386 405 289 329 210	3.63 2.85 3.34	
Stratford Sudbury Toronto Waterloo Welland	18,878 50,222 653,499 11,947 15,972	507,739.62 6,747,774.01 138,646.67	23,648,687 44,372,135 653,602,533 15,463,629 9,279,019	5,251 10,800 157,324 3,183 3,764	375 342 346 405 205	3.92 3.57 3.63	1.007 1.144 1.032 0.897 0.992
Windsor		1,168,441.23 192,574.60	101,667,752 17,658,880	29,947 4,474	283 329	3.25 3.59	1.149 1.091

VOTED AREAS adjacent to

Brantford Twp. East York Twp. Etobicoke Twp. London Twp. North York Twp.	62,301 52,635 3,200	723,116.55	68,586,144 83,473,878 3,160,811	16,736 16,548 775	342 420 340	4.69 1.425 3.60 1.054 3.77 0.897 3.89 1.145 4.43 0.979
Scarborough Twp. Stamford Twp. Toronto Twp. York Twp.	18,225 23,303	192,866.05	47,112,685 19,753,267 26,832,169 103,552,267	6,223	374 359	3.39 1.231 3.66 .976 4.25 1.182 3.08 .955

AND CONSUMPTION

Power service in Municipalities year 1951

Population 10,000 or more

C	Commercial light service					Powe	R SERV	ICE	
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 126,237.91 167,141.72 208,710.17 202,551.93 101,984.71	kwh 10,674,227 14,331,298 12,376,617 19,701,267 7,166,051	1,010 1,414	791 1,021 1,161	8.99 17.22 11.94	cents 1.183 1.166 1.686 1.028 1.423	548,287.45 253,360.04	No. 145 268 172 206 175	8,769.86	No. 6,243 11,577 6,854 11,318 6,234
115,496.09 956,140.96 254,027.32 273,014.14 430,642.76	8,655,521 84,647,524 22,456,942 18,537,398 36,999,459	6,720 1,228 1,354	1,050 1,524 1,141	11.86 17.24 16.80	1.334 1.130 1.131 1.473 1.164	252,989.28 800,031.69	1,308 199 373		61,383 11,409 13,280
142,717.03 107,679.61 186,565.53 1,918,865.43 102,681.47	8,229,123 11,062,224 149,172,262	808 1,049 7,428	849 879 1,674	11.11 14.82 21.53	1.165 1.309 1.687 1.286 1.529	82,748.29 637,197.17 745,617.14		2,683.27 18,863.01 31,357.60	5,375 12,157 60,361
184,096.95 200,628.37 211,952.94 99,012.27 158,404.78	16,571,860 16,262,440 8,443,706	1,132 1,398 680	1,220 969 1,035	14.77 12.63 12.13	1.418 1.211 1.303 1.173 1.533	479,436.81 680,040.72 141,108.09	149 287 101	5,647.33	9,965 12,327
86,765.73 248,600.01 5,112,071.74 56,047.03 79,283.81	15,731,752 373,984,549 4,139,068	1,352 27,055 328	970 1,152 1,052	15.32 15.75 14.24	1.399 1.580 1.367 1.354 1.264	84,090.14 *7,502,779.88 132,328.86	154 6,047 100	2,743.49 233,971.00 4,893.30	12,306 190,426 3,611
723,658.23 103,145.77					1.487 1.523		635 132	44,793.20 7,028.66	

^{*} Does not include street railway power.

cities and predominantly urban

00.005.01	1.054.040	100	010 17 000 100	01.011.00	10	C10, 10	2.005
26,667.61 88,557.81	1,254,243 6.851,758	129 754	810 17.23 2.126 909 11.75 1.292	21,211.29 136,238.79	18 108	613.10 5,102.60	3,285 17,598
138,447.86		974	951 11.85 1.245	208,634.44	177	8,098.60	17,699 805
4,639.13 226,050.41		26 1,437	860 14 . 87 1 . 728 826 13 . 11 1 . 588	1,450.52 244,434.14	207	47.00 8,540.50	27,680
144.057.81	9.923.642	1.019	812 11.78 1.452	168,713.65	164	5,599.60	15,446
46,429.48	2,678,862	305	732 12.69 1.733	42,760.55	39	1,674.60	4,739
64,498.60 240,104.41		459 1.826	710 11.71 1.650 772 10.96 1.420	113,486.41 326,192.21	102 315	3,785.81 12.443.66	6,784 28.878
240,104.41	10,500,255	1,020	172 10.90 1.420	320,132.21	313	12,440.00	20,010

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

			Domesti	C SERVIC	Œ		
MUNICIPALITY	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Acton Alexandria Alliston Almonte Amherstburg	No. 3,037 2,209 2,038 2,394 3,594	\$ 33,317.47 17,690.49 24,924.72 26,728.57 48,099.83	kwh 3,078,382 1,182,696 1,887,134 2,722,051 4,356,637	No. 771 557 562 761 954	kwh 333 177 280 298 381	\$ 3.60 2.65 1.69 2.93 4.20	cents 1.08 1.50 1.30 .98 1.10
Arnprior	4,495	38,292.05	3,481,985	1,139	255	2.80	1.10
Aurora	3,363	48,782.74	4,805,409	1,015	395	4.01	1.02
Aylmer	3,557	31,645.00	3,463,792	988	292	2.67	.91
Barrie	13,318	158,818.90	16,982,983	3,450	410	3.84	.94
Blenheim	2,436	17,325,90	1,181,385	726	136	1.99	1.46
Bowmanville Brampton Brighton Brockville Burlington	5,318	70,605.47	5,894,433	1,659	296	3.55	1.20
	8,301	105,615.07	10,168,335	2,266	374	3.88	1.04
	2,027	23,346.41	1,733,425	618	234	3.15	1.35
	12,030	121,277.01	12,838,560	3,485	307	2.90	0.94
	6,314	91,212.61	8,085,618	1,903	354	3.99	1.13
Carleton Place. Clinton. Cobourg. Collingwood. Delhi.	4,685	41,897.80	3,840,967	1,302	246	2.68	1.09
	2,495	31,919.23	3,199,989	761	350	3.50	1.00
	7,818	91,100.26	7,773,851	2,061	314	3.68	1.17
	7,367	67,647.51	5,494,551	2,085	220	2.70	1.23
	2,557	27,584.86	2,053,967	822	208	2.80	1.35
Dresden Dundas Dunnville Durham Elmira	2,070	15,504.38	861,722	602	119	2.15	1.81
	6,787	64,562.99	5,283,698	2,232	197	2.41	1.22
	4,384	26,219.07	1,963,376	1,282	128	1.70	1.33
	2,293	17,967.06	1,155,034	562	164	2.66	1.55
	2,547	32,059.64	2,854,115	710	335	3.76	1.12
Essex	2,782	23,343.29	1,696,240	784	180	2.48	1.37
Exeter	2,559	37,413.42	3,312,695	807	342	3.86	1.13
Fergus	3,411	42,838.86	3,519,881	974	301	3.67	1.22
Forest Hill	16,374	286,038.43	32,130,185	4,559	587	5.23	.89
Georgetown	3,503	51,270.79	4,817,388	1,184	339	3.61	1.06
Goderich	4,963	71,101.36	5,377,830	1,624	276	3.65	1.32
Gravenhurst	2,901	30,212.30	3,269,953	971	281	2.59	0.92
Grimsby	2,685	24,937.84	2,693,583	870	258	2.39	.93
Hanover	3,843	45,319.61	3,805,208	1,061	299	3.61	1.19
Hespeler	3,799	39,770.14	3,167,142	1,017	260	3.26	1.25
Humberstone	3,722	21,748.47	1,590,020	982	135	1.85	1.37
Huntsville	3,192	33,855.06	3,370,204	881	319	3.20	1.00
Ingersoll	6,533	65,329.91	5,203,160	1,853	234	2.94	1.26
Kincardine	2,665	29,935.02	2,295,713	868	220	2.87	1.30
Kingsville	2,552	28,749.76	2,254,541	851	221	2.82	1.28
Leamington	7,541	60,430.86	5,292,739	2,134	206	2.36	1.14
Lindsay	9,504	109,779.35	9,799,229	2,719	300	3.36	1.12
Listowel	3,443	40,253.40	3,494,097	1,047	278	3.20	1.15
Long Branch	8,520	83,549.44	9,609,073	2,280	351	3.05	.87
McGarry Imp. Dist.	2,128	21,534.56	1,168,361	309	315	5.81	1.84

AND CONSUMPTION Power service in Municipalities 1951—(Continued)

population 2,000 or more

	Commercial L	IGHT SE	RVICE			Power	R SERVIO		
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 14,202.52 14,407.81 14,198.98 10,323.22 19,934.36	kwh 935,750 717,134 693,945 613,008 1,547,923	No. 118 144 145 123 183	kwh 661 415 399 415 705	\$ 10.03 8.34 8.16 6.99 9.08		\$ 62,705.81 7,875.71 12,153.99 22,364.77 14,801.72	No. 25 16 27 26 22	kw 2,247.90 198.33 465.20 814.02 523.99	717 734 910
22,303.02 18,709.94 21,676.58 88,874.62 19,356.80	1,324,781 1,635,613 1,902,760 6,554,776 1,212,761	171 156 218 567 165	874 727	10.87 9.99 8.29 13.06 9.78	1.68 1.14 1.14 1.35 1.59	32,590.02 32,628.00 28,878.73 71,384.65 16,414.49	33 29 30 84 20	1,355.80 1,230.40 1,134.20 2,859.60 505.70	1,200 1,236 4,101
24,586.52 41,921.80 11,086.73 51,919.20 37,878.91	1,398,207 2,813,549 578,897 4,511,827 2,349,636	214 329 145 456 221	333 825	9.57 10.62 6.37 9.49 14.28	1.76 1.49 1.92 1.15 1.61	84,050.92 45,347.58 6,027.96 161,196.08 29,412.78	32 73 10 89 33	2,661.74 1,807.80 235.00 5,827.85 804.10	773 4,030
18,750.53 14,486.76 41,923.08 32,360.40 25,157.88	1,134,205 913,263 2,686,760 2,059,902 1,250,803	219 161 281 283 222	432 473 797 606 470	7.13 7.50 12.43 9.53 9.44	1.65 1.59 1.56 1.57 2.01	37,466.62 13,422.10 61,883.74 58,584.15 11,387.98	22 25 59 64 29	1,442.00 459.10 2,117.38 2,480.10 388.60	947 2,401 2,432
15,486.59 32,657.03 27,061.47 13,900.90 21,916.91	861,606 2,036,099 1,978,984 726,934 1,303,990	156 244 273 126 145	604 481	8.27 11.15 8.26 9.52 12.60	1.37 1.91	17,636.37 66,787.85 34,775.83 7,962.86 45,323.33	21 50 33 18 27	579.61 2,775.20 1,331.40 246.50 1,318.90	1,588 706
20,060.64 17,712.90 17,468.91 65,978.23 17,994.46	1,297,406 1,082,150 1,207,724 4,654,707 1,173,491	162 160 133 397 171	564 757 977	10.32 9.23 10.95 13.85 8.77		14,622.86 11,166.03 33,029.05 7,030.51 54,194.16	27 25 18 44 32	590.59 535.62 1,227.60 310.50 1,844.60	992 1,125 5,000
34,840.12 17,894.49 17,371.28 18,267.38 14,363.70	1,917,589 1,645,804 1,320,618 1,056,992 793,533	301 173 161 179 117	531 793 683 492 565		1.09 1.32 1.73	35,461.99 20,634.06 13,548.94 41,876.98 106,577.90	48 22 20 33 35	1,162.00 841.10 520.30 1,499.42 3,280.40	1,166 1,051 1,273
11,113.56 29,373.21 35,994.21 15,883.89 19,556.40	733,017 2,034,540 2,337,880 774,799 1,128,468	130 183 265 154 195	735 419	13.38 11.32 8.60	$ \begin{array}{r r} 1.44 \\ 1.54 \\ 2.05 \end{array} $	9,021.53 21,754.28 79,453.67 22,996.75 7,803.11	16 24 49 24 24	360.90 826.10 2,402.88 658.90 330.48	1,088 2,167 1,046
35,054.86 64,044.25 27,428.12 23,704.44 9,028.61	2,574,345 3,672,891 1,562,004 2,094,703 738,419	389 437 188 231 60	692 756	7.50 12.21 12.16 8.55 12.54	1.74 1.76 1.13	52,051.89 70,325.35 28,557.42 36,889.66 788.42	53 79 35 28 1	1,735.30 2,670.49 1,054.90 1,542.50 23.62	3,235 1,270 2,539

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year MUNICIPALITIES

	1	DOMESTIC SERVICE							
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh		
Meaford Merritton Midland Milton Mimico	No. 3,169 4,783 7,257 2,460 11,503	\$ 32,161.42 51,088.26 67,555.00 29,601.57 136,232.93	kwh 2,498,861 4,747,011 6,721,070 2,616,347 12,152,175	No. 1,019 1,276 2,064 723 3,151	kwh 204 310 273 302 321	\$ 2.63 3.34 2.71 3.41 3.60	cents 1.29 1.08 1.00 1.13 1.12		
Mount Forest Napanee Newmarket New Toronto Niagara	2,170	21,846.35	1,639,970	629	217	2.89	1.33		
	3,803	50,260.17	4,484,795	1,128	331	3.71	1.12		
	5,244	58,997.22	6,017,050	1,550	323	3.17	.98		
	11,072	101,252.52	10,400,279	2,430	357	3.47	.97		
	2,160	37,932.32	3,822,187	868	367	3.64	.99		
Oakville Orangeville Paris Parry Sound Penetanguishene	6,691	71,419.35	6,077,006	1,890	268	3.15	1.20		
	3,302	34,511.36	2,801,580	929	251	3.09	1.23		
	5,274	47,777.60	4,454,926	1,361	273	2.93	1.07		
	5,215	54,604.75	3,605,010	1,343	223	3.39	1.50		
	4,964	28,224.83	2,351,854	1,038	189	2.26	1.20		
Perth	4,920	51,891.77	4,313,300	1,414	254	3.06	1.20		
	3,118	24,840.53	1,523,320	901	141	2.30	1.63		
	4,103	45,309.72	4,943,587	1,304	316	2.90	0.92		
	8,300	55,328.71	4,188,710	2,057	170	2.24	1.32		
	3,651	51,550.38	5,369,366	1,042	429	4.12	.96		
Port Dalhousie	2,462	42,815.80	4,200,078	914	383	3.90	1.02		
Port Dover	2,385	21,341.36	1,726,168	1,020	141	1.74	1.23		
Port Hope	6,327	82,449.61	7,765,186	1,923	337	3.57	1.06		
Prescott	3,449	43,454.19	3,198,849	944	282	3.84	1.36		
Preston	7,518	76,333.84	6,702,882	1,951	286	3.26	1.14		
Renfrew	7,368	62,572.51	4,702,189	1,830	214	2.85	1.33		
	2,228	30,805.83	3,135,717	668	391	3.84	.98		
	2,275	16,170.81	1,153,980	730	132	1.85	1.40		
	9,535	123,872.10	9,349,047	2,794	279	3.69	1.32		
	4,112	65,369.01	4,948,725	1,219	338	4.47	1.32		
Seaforth Simcoe Sioux Lookout Smiths Falls Strathroy	2,121	26,740.16	1,887,990	629	250	3.54	1.42		
	7,085	50,092.30	4,458,613	2,062	180	2.02	1.12		
	2,381	35,797.89	1,987,490	674	246	4.42	1.80		
	8,339	99,977.34	9,196,188	2,418	317	3.45	1.09		
	3,688	50,095.22	4,316,377	1,137	316	3.67	1.16		
Sturgeon Falls Swansea Tecumseh Thorold Tilbury	4,953 8,080 3,497 6,465 2,848	*30,929.27 122,066.54 32,077.04 44,686.37 20,037.46	1,446,108 12,547,600 1,918,056 4,467,873 1,563,050	1,052 2,464 967 1,668 746	424 165 223 175	4.13 2.76 2.23 2.24	.97 1.67 1.00 1.28		
Tillsonburg	5,202	46,999.60	3,736,125	1,610	193	2.43	1.26		
Trenton	9,993	98,744.51	11,592,542	2,940	329	2.80	0.85		
Walkerton	3,313	36,974.26	2,801,227	892	262	3.45	1.32		
Wallaceburg	7,352	55,179.14	4,308,901	2,084	172	2.21	1.28		
Weston	8,088	113,576.47	12,194,696	2,204	461	4.29	.93		
Whitby	7,268	72,657.03	6,009,652	1,418	354	4.27	1.21		
	2,042	16,098.82	1,273,440	557	191	2.41	1.26		
	2,611	35,394.52	2,851,691	763	341	3.87	1.24		

^{* 9} months.

AND CONSUMPTION

Power service in Municipalities

1951—(Continued)

population 2,000 or more—Concluded

	COMMERCIAL L	IGHT SE	RVICE			Power	SERVIC		
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 19,487.85 12,501.10 29,582.57 14,638.43 34,640.67	kwh 1,121,014 641,211 2,203,585 890,261 2,347,729	No. 190 95 244 154 251	752 482	\$ 8.55 10.97 10.10 7.92 11.50	1.95 1.34 1.64	\$ 21,175.04 328,789.19 100,425.45 42,689.71 34,005.66	No. 27 22 59 23 45	kw 726 10 10,590 80 4,456 90 1,260 58 1,187 70	1,393 2,367 900
15,412.46 35,203.71 30,842.47 52,262.81 11,986.08	904,055 2,005,409 1,767,889 4,146,890 818,847	159 240 250 296 112	589	8.07 12.22 10.28 14.71 8.92	1.72 1.76 1.74 1.26 1.46	12,082.49 22,639.27 37,450.82 329,987.79 3,131.58	21 31 43 68 13	418.60 818.73 1,302.90 11,110.30 120.10	1,399 1,843 2,794
53,535.96 23,798.38 16,574.74 35,211.33 16,825.06	2,783,790 1,495,475 1,155,107 1,608,855 1,114,557	274 225 205 247 156	554 469	6.74 11.88	1.59 1.43 2.20	85,504.06 9,899.22 36,581.82 14,800.29 25,720.21	78 32 32 20 19	3,456.90 516.60 1,724.20 444.20 905.70	1,186 1,598 1,610
28,057.41 17,832.80 28,830.89 40,609.18 19,445.26	1,807,232 950,038 2,317,786 2,506,474 1,346,026	238 183 263 292 139	633 433 734 715 807	8.12	1.88 1.24 1.62	24,332.76 27,978.25 18,046.72 39,222.99 13,237.30	60 37 35	1,043.42 892.67 867.30 1,282.30 394.80	1,144 1,604 2,384
8,627.21 11,794.39 35,051.29 22,934.61 32,027.63	604,546 835,110 2,305,831 1,150,530 2,904,035	177 275 184	521		1.41 1.52 1.99	9,076.69 9,143.69 87,298.69 19,165.59 95,449.00	22 46 28	832.50	1,219 2,244 1,156
28,319.24 11,681.20 15,436.32 18,177.08 23,989.25		115 163 150	572 532 536 642 450	8.46 7.89 10.09	1.60 1.47 1.57	65,050.95 4,210.62 10,333.46 12,859.04 38,629.15	19 28 17	2,380.17 254.50 420.83 393.14 1,198.00	802 921 4 2,961
19,300.64 55,133.03 21,161.67 50,223.21 25,732.11	4,407,019	468 97 354	785 647	18.18 11.82	1.25 2.80 1.40	19,209.64 47,616.91 6,811.48 41,079.91 29,148.28	74 13 48	1,655.95	2,604 784 2,820
27,046.35 28,257.60 11,770.33 18,084.78 15,071.46	1,738,862 624,925 1,603,010	140 93 191			1.88 1.12	2,322.89 38,193.86 10,062.33 88,891.27 29,247.93	29 8 36	1,395.00 281.7 2,973.90	1,068 1,895
43,511.44 38,381.01 25,388.32 38,929.77 44,285.75	3,232,861 1,307,196 2,790,166	321 182 374	839 599 622	11.62	1.19 2.1.94 1.39	19,312.76 218,787.79	65 19 72	3,842.00 541.30 7,508.50	3,326 1,093 2,530
29,589.65 14,290.91 20,878.61	774,552	127	508	11.69 9.31 10.54	1.84	13,596.38	23	277.10	707

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the Year

MUNICIPALITIES

			Domestic	SERVIC	E		
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Agincourt Ailsa Craig Alvinston Ancaster Twp. Apple Hill	No. 1,000 497 682 V.A. 464	\$ 14,521.89 5,657.57 5,116.98 34,484.38 2,197.67	kwh 1,358,845 411,485 234,450 2,628,157 96,950	No. 270 173 249 580 83	kwh 419 198 78 378 100	\$ 4.48 2.73 1.71 4.95 2.21	cents 1.10 1.38 2.18 1.31 2.27
Arkona	338	5,210.73	314,369	137	191	3.17	1.66
Arthur	1,060	11,645.05	651,014	314	173	3.09	1.80
Athens	841	9,441.50	374,422	247	126	3.19	2.52
Ayr	872	11,057.94	811,630	268	252	3.44	1.37
Baden	700	8,932.75	671,240	193	290	3.86	1.33
Bancroft	1,308	14,457.39	407,037	333	102	3.62	3.55
Barry's Bay	1,294	9,041.50	187,373	248	63	3.04	4.83
Bath	429	5,760.10	240,780	119	169	4.03	2.39
Beachville	660	8,040.59	685,578	213	268	3.15	1.17
Beamsville	1,728	20,381.73	2,488,957	524	396	3.24	.82
Beaverton. Beeton Belle River. Bloomfield Blyth	967	14,105.40	1,025,547	440	194	2.67	1.40
	579	6,331.31	361,732	180	167	2.93	1.80
	1,411	13,633.71	776,301	480	135	2.37	1.76
	653	5,833.47	456,531	209	182	2.32	1.28
	660	7,489.98	513,510	233	184	2.68	1.46
Bobcaygeon Bolton Bothwell Bradford Braeside	1,139 852 701 1,576 451	17,305.49 10,365.42 4,826.40 17,270.89 3,047.87	661,642 923,859 372,710 1,196,147 149,440	244 215 410 131	123 316 145 243 95	3.22 3.54 1.87 3.51 1.94	2.62 1.10 1.29 1.40 2.04
Brechin	270	2,369.69	107,448	60	149	3.29	2.20
Bridgeport	1,138	11,834.68	916,538	299	255	3.30	1.29
Brigden	450	3,292.63	188,940	141	112	1.95	1.74
Brussels	817	9,380.86	649,710	286	189	2.73	1.44
Burford	884	12,567.28	1,071,799	283	316	3.70	1.17
Burgessville	194	2,909.29	188,115	68	231	3.57	1.55
Burks Falls	852	8,170.12	258,430	232	93	2.93	3.20
Cache Bay	864	5,213.63	110,100	176	52	2.47	4.74
Caledonia	1,685	13,943.96	957,874	524	152	2.22	1.46
Campbellville	260	3,218.68	208,820	67	260	4.00	1.50
Cannington	874	10,487.01	723,520	311	194	2.81	1.45
Capreol	1,992	26,159.04	1,939,130	549	294	3.97	1.35
Cardinal	1,811	18,136.38	1,261,935	473	222	3.20	1.44
Cayuga	716	6,523.03	349,963	220	133	2.47	1.86
Chatsworth	408	4,337.13	325,670	129	210	2.80	1.33

AND CONSUMPTION

Power service in Municipalities

1951—(Continued)

Less than 2,000 population

(COMMERCIAL L	IGHT SE	RVICE			Power	R SERVI	CE	
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 4,371.71 2,556.47 4,054.78 8,779.14 1,154.96	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
	206,218	40	430	9.11	2.10	8,186.36	8	236.30	318
	105,038	42	208	5.07	2.44	2,669.96	4	102.23	219
	181,482	59	256	5.73	2.23	1,821.90	7	59.26	315
	351,832	52	564	14.07	2.49	2,070.31	10	79.90	642
	45,392	22	172	4.37	2.54	334.15	1	16.00	106
2,803.06	107,827	40	225	5.84	2.60	275.40	2	8.75	179
10,139.44	372,182	92	337	9.18	2.70	3,414.23	11	138.90	417
4,588.36	158,510	55	240	6.95	2.89	734.28	2	25.67	304
4,968.56	236,004	51	386	8.12	2.10	3,847.22	8	133.40	327
3,429.31	209,482	34	513	8.41	1.64	13,047.61	3	456.20	230
13,570.57	312,740	101	258	11.19	4.34	2,031.09	6	61.48	440
5,693.98	129,080	57	189	8.32	4.41	417.28	3	29.30	308
1,711.22	72,310	15	402	9.50	2.36	700.30	1	19.40	135
1,040.84	68,650	28	204	3.10	1.52	27,847.91	3	821.48	244
7,559.95	532,688	90	493	7.00	1.40	3,293.06	11	153.60	625
6,478.96	395,353	87	379	6.21	1.60	4,500.99	12	286.60	539
4,614.77	193,705	42	384	9.16	2.40	802.58	6	30.70	228
7,786.59	421,938	75	469	8.65	1.85	2,613.22	6	70.32	561
4,586.68	231,435	44	438	8.68	1.98	2,150.50	7	78.95	260
4,052.12	201,570	59	285	5.72	2.01	6,243.11	6	202.20	298
10,323.50	333,418	99	280	8.69	3.10	813.17	. 3	21.51	550
4,992.14	252,395	58	363	7.17	2.00	3,976.01	15	158.40	317
3,981.97	281,290	65	361	5.10	1.41	2,108.72	8	110.82	288
15,426.91	671,290	103	543	12.48	2.30	15,303.42	23	485.40	536
670.02	26,039	10	217	5.58	2.57	6,909.75	3	217.60	144
1,990.67	61,799	23	224	7.21	3.20	882.37	1	26.10	84
3,701.29	200,883	30	558	10.28	1.84	2,196.19	5	93.10	334
2,868.86	121,270	45	225	5.31	2.37	4,423.38	6	140.00	192
5,152.51	299,190	70	356	6.13	1.72	4,631.47	9	130.50	365
4,550.31	258,437	53	406	7.15	1.76	3,621.92	7	155.10	343
1,238.38	60,180	22	230	4.73	2.06	1,453.57	3	51.73	93
8,705.31	250,380	67	311	10.83	3.50	747.61	2	18.65	301
2,690.47	48,908	24	170	9.34	5.50	843.99	1	32.40	201
10,603.06	686,005	117	489	7.55	1.54	3,772.59	11	116.60	652
732.05	30,570	12	212	5.08	2.40	438.21	11	7.80	80
4,948.35	213,336	71	250	5.81	2.32	4,139,07	12	171.22	394
8,183.82	456,040	79	481	8.63	1.79	9,600,22	2	222.27	630
5,536.82	288,395	64	376	7.21	1.92	934,48	3	26.43	540
6,865.83	319,572	71	375	8.06	2.15	4,261,76	11	143.57	302
3,965.06	190,950	44	361	7.51	2.08	1,054,18	1	28.87	174

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the Year

MUNICIPALITIES

			Domest	IC SERVI	CE		
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Chesley Chesterville Chippawa Clifford Cobden	No. 1,715 1,178 1,676 485 796	\$ 20,442.73 9,253.01 15,659.29 5,982.52 6,842.85	kwh 1,630,232 743,731 1,711,980 441,749 526,533	No. 545 308 479 156 249	kwh 249 201 298 236 176	2.50 2.72 3.20	1.24 .90 1.36
Colborne. Coldwater. Comber. Cookstown. Cottam.	1,127 620 545 421 520	14,864.55 6,335.81 3,926.15 5,110.52 5,006.08	1,111,036 461,130 210,110 294,825 330,420	357 180 156 149 175	259 213 112 165 157	2.93 2.10	1.34 1.40 1.88 1.70 1.52
Courtright Creemore Dashwood Delaware Deseronto	545 738 399 347 1,517	3,289.73 7,168.10 5,914.59 4,503.23 17,801.59	167,700 495,180 341,560 389,901 1,076,200	142 222 127 96 494	98 186 224 339 182	2.69 3.88 3.91	1.97 1.40 1.73 1.15 1.65
Dorchester	557 518 334 203 811	6,016.74 7,474.45 4,775.27 3,039.30 7,118.57	460,195 388,571 324,839 169,270 471,490	198 196 120 64 249	194 165 226 220 158	3.18 3.32 3.96	1.30 1.93 1.47 1.80 1.50
Dutton Elmvale Elmwood Elora Embro	863 821 V.A. 1,365 448	5,427.02 8,124.69 2,606.21 16,296.80 7,561.40	382,980 641,144 159,850 1,166,840 568,972	254 241 100 418 154	126 222 133 233 308		1.42 1.30 1.63 1.39 1.33
Erieau Erie Beach Erin Finch Flesherton	404 59 638 371 484	8,738.45 2,858.87 9,290.52 4,334.29 4,474.65	560,720 69,191 419,475 307,225 307,690	268 119 242 126 152	174 48 144 203 169	2.72 2.00 3.20 2.87 2.45	1.56 4.17 2.20 1.41 1.45
Fonthill Forest Frankford Glencoe Grand Valley	1,467 1,793 1,398 976 638	18,258.67 26,400.80 15,258.04 7,191.85 6,652.79	1,688,243 2,114,840 781,990 414,288 467,120	417 595 360 315 230	337 296 181 110 169	3.65 3.70 3.53 1.90 2.41	1.10 1:25 1.95 1.73 1.40
Granton Hagersville Harriston Harrow Hastings	263 1,718 1,555 1,532 825	3,918.14 13,211.46 16,918.89 25,628.80 8,795.89	215,579 925,200 1,355,565 1,876,283 496,183	90 492 455 446 326	200 157 243 351 127	3.63 2.24 3.03 4.79 2.25	1.82 1.43 1.25 1.36 1.77

AND CONSUMPTION

Power service in Municipalities

1951—(Continued)

Less than 2,000 population—Continued

C	OMMERCIAL LI	GHT SEF	RVICE			Powe	R SERVI	CE	
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 8,875.08 6,337.57 3,818.71 4,495.48 4,830.50	kwh 490,270 381,550 288,906 226,374 212,658	No. 98 74 60 43 65	kwh 417 430 401 439 273	\$ 7.55 7.14 5.30 8.71 6.19	cents 1.81 1.66 1.30 1.98 2.27	\$ 13,896.69 12,505.34 1,041.15 1,186.70 5,316.11	No. 27 6 3 3 6	kw 538.50 409.16 32.30 30.25 192.04	No. 670 388 542 202 320
7,801.80 3,607.51 3,691.35 2,539.11 2,607.88	339,571 188,362 181,538 79,625 131,750	78 51 59 39 32	363 308 256 170 343	8.33 5.89 5.21 5.42 6.79	2.30 1.90 2.04 3.20 1.98	2,084.11 2,774.60 5,131.60 1,515.95 1,133.49	7 3 7 3 6	60.71 82.48 169.69 53.20 43.87	442 234 222 191 213
2,056.71 3,751.09 2,284.92 2,039.76 5,922.75	81,461 177,720 88,040 91,582 248,175	19	251 255 272 402 345	6.35 5.39 7.05 8.95 8.23	2.53 2.10 2.59 2.23 2.39	641.34 1,316.74 1,605.59 9,660.23	1 4 4 15	12.50 68.70 54.93	170 284 158 115 569
1,869.16 4,294.42 2,459.36 2,113.85 5,652.34	82,762 134,805 102,340 88,585 248,352		197 201 251 217 255	4.45 6.39 6.03 5.18 5.81	2.26 3.18 2.40 2.39 2.30	2,219.23 2,128.37 1,410.15 1,964.43 4,621.96	3 5 2 2 8	81.97 79.90 47.90 63.10 191.10	236 257 156 100 338
3,911.86 5,052.91 1,669.77 7,222.21 2,004.68	213,928 306,654 70,428 364,220 96,230	64 69 21 72 42	278 370 279 422 191	5.09 6.10 6.63 8.36 3.98	1.83 1.70 2.37 1.98 2.08	4,291.92 4,705.63 3,758.93 11,107.97 3,067.38	10 10 3 8 4	154.71 159.60 92.80 405.54 71.66	328 320 124 498 200
3,427.37 304.06 5,297.01 2,724.89 3,411.31	180,005 7,175 189,793 115,120 161,656	20 5 61 34 53	750 120 259 282 254	14.28 5.07 7.24 6.68 5.36	1.90 4.23 2.80 2.37 2.11	4,909.95 666.21 2,660.74 989.74	2 6 2	120.70 14.10 127.79 37.70	292 124 305 166 207
4,331.13 15,247.44 6,656.48 10,071.11 3,872.74	257,791 743,695 244,799 483,867 189,890	55 146 74 94 63	390 425 276 429 251	6.56 8.70 7.50 8.93 5.12	1.70 2.05 2.72 2.08 2.00	1,835.87 8,486.55 1,317.86 3,772.92 4,387.52	7 22 6 11 11	66.40 286.59 60.21 150.32 158.30	479 763 440 420 304
1,278.28 11,865.26 10,402.99 14,500.10 5,372.97	35,818 699,472 533,408 703,603 219,384	26 142 118 114 61	410 377	4.10 6.96 7.35 10.60 7.34	3.57 1.70 1.95 2.06 2.45	194: 57 29,007: 96 13,733: 21 9,392: 98 444: 04	1 23 16 8 4	7.46 1,197.80 449.70 294.61 16.21	117 657 589 568 391

CUSTOMERS, REVENUE

for Domestic, Commercial light, and during the Year

MUNICIPALITIES

			Domesti	C SERVIC	E		
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Havelock Hensall Highgate Holstein Iroquois	No. 1,254 676 351 179 1,067	\$ 11,993.24 8,976.11 2,645.94 1,895.80 13,412.16	kwh 580,474 661,860 137,450 124,240 1,103,709	No. 339 236 117 73 356	kwh 143 234 98 141 258	\$ 2.95 2.17 1.89 2.16 3.14	cents 2.07 1.36 1.93 1.53 1.21
Jarvis Kemptville Kirkfield Lakefield Lambeth	645 1,545 191 1,760 1,080	4,180.47 18,897.54 1,955.22 16,711.72 16,928.07	252,170 1,548,765 79,479 1,378,356 1,220,254	177 478 56 487 370	-119 270 118 236 275	1.97 3.29 2.91 2.86 3.81	1.66 1.22 2.50 1.21 1.39
Lanark Lancaster Larder Lake Twp. La Salle Latchford	775 568 V.A. 1,892 504	6,316.84 3,816.18 21,610.89 30,908.90 3,051.38		235 138 422 501 108	115 146 187 304 59	2.24 2.30 4.27 6.17 2.35	1.95 1.58 2.28 2.03 4.02
Lucan Lucknow Lynden Madoc Magnetawan	875 857 434 1,291 *221	11,912.15 9,346.79 5,334.74 13,423.42 849.30	964,091 679,578 424,572 872,420 13,118	249 343 132 393 66	323 165 268 185	3.99 2.27 3.37 2.85	1.38 1.26
Markdale Markham Marmora Martintown Maxville	982 1,715 1,117 125 776	7,469.93 20,365.41 9,174.07 1,989.88 6,745.25	1,621,909 519,750 140,450	273 487 308 74 206	201 278 141 158 193		1.77 1.41
Merlin Merrickville Mildmay Millbrook Milverton	635 950 850 739 1,062	4,023.70 9,502.48 7,908.57 9,394.44 12,482.74	410,720 634,287 562,240	153 258 230 251 316	125 133 229 187 236	2.19 3.07 2.87 3.12 3.29	1.25 1.67
Mitchell Moorefield Morrisburg Mt. Brydges Neustadt	1,951 278 1,876 637 462	29,765.50 2,622.90 19,158.65 5,277.62 3,825.57	165,237 1,454,817 438,698	610 84 522 210 148	303 164 232 174 126	4.07 2.60 3.06 2.09 2.15	1.32 1.20
Newboro. Newburgh Newbury Newcastle New Hamburg	309 453 289 895 1,726	3,685.37 4,903.05 3,257.49 19,730.34 21,022.24	239,655 184,738 865,232	83 126 94 286 464	117 159 164 252 302	3.70 3.24 2.89 3.13 3.78	2.05 1.76 1.24

^{* 5} months.

AND CONSUMPTION

Power service in Municipalities

1951—(Continued)

Less than 2,000 population—Continued

(COMMERCIAL I	IGHT SE	ERVICE			Powe	R SERVI	CE	
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 6,389.96 5,335.94 1,353.97 557.34 5,107.22	kwh 236,119 218,010 68,670 24,920 330,281	No. 67 61 29 18 64	kwh 294 298 197 115 430		cents 2.71 2.45 1.97 2.23 1.55	\$ 2,036.77 6,759.52 2,401.49 768.19 2,361.24	No. 2 18 7 1 7	kw 51.55 264.80 114.76 13.90 70.45	No. 408 315 153 92 427
3,818.44 9,538.85 2,034.05 11,912.06 2,517.56	210,934 532,038 55,455 716,478 132,346	46 95 26 97 33	382 467 178 616 334	6.92 8.37 6.52 10.23 6.36	1.81 1.79 2.70 1.66 1.90	4,287.29 15,191.85 	5 14 11 7	122.8 481.39 673.51 39.37	228 587 82 595 410
4,378.31 2,566.27 8,431.41 7,156.13 2,476.14	174,963 143,952 561,604 305,369 58,122	47 32 88 42 25	310 375 532 606 194	7.76 6.68 7.98 14.20 8.25	2.50 1.78 1.50 2.34 4.26	598.04 1,359.31 1,050.31 169.40	2 5 4 1	26.96 28.97 28.32 7.46	284 170 515 547 134
5,173.73 5,558.04 1,138.73 10,338.46 721.16	256,050 269,403 48,750 555,049 13,695	61 98 17 115 20	350 229 239 402	7.07 4.73 5.58 7.49	2.02 2.06 2.33 1.86	1,354.34 9,210.72 1,613.21 9,445.04	4 11 3 9	55.03 253.31 87.50 298.89	314 452 152 517 86
6,325.03 7,808.65 6,256.75 1,948.02 4,197.04	399,130 530,220 302,495 81,253 180,439	86 86 55 28 51	387 514 458 242 295	6.13 7.57 9.48 5.80 6.86	1.51 1.50 2.07 2.40 2.33	3,200.25 5,122.61 1,208.95	7 13 2	159.30 208.90 138.40	366 586 365 102 257
4,067.23 4,413.06 4,950.32 4,493.96 8,253.27	190,048 332,810 230,988 118,300 345,782	56 57 65 61 87	283 487 296 162 331	6.05 6.45 6.35 6.14 7.91	2.14 1.33 2.14 3.80 2.39	2,050.61 5,633.83 1,606.82 758.69 9,783.68	4 11 8 2 16	66.80 226.45 40.20 13.27 394.40	213 326 303 314 419
14,228.14 1,653.61 13,097.10 1,611.39 2,327.97	740,866 69,373 734,758 96,501 109,202	129 38 149 50 35	479 152 411 161 260	9.19 3.63 7.33 2.69 5.54	1.92 2.39 1.78 1.67 2.13	17,697.19 1,368.44 8,423.45 934.98 1,222.70	26 2 35 6 3	526.60 40.20 363.48 38.14 29.40	765 124 706 266 186
1,811.49 2,115.12 1,452.50 5,082.90 10,882.07	39,003 87,158 67,101 294,720 568,895	17 23 22 42 119	191 316 256 585 398	8.88 7.66 5.54 10.09 7.62	4.64 2.43 2.16 1.72 1.91	448.41 260.77 7,097.79 12,740.66	2 1 10 17	12.83 13.00 217.48 541.30	100 151 117 338 600

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the Year

MUNICIPALITIES

			Domestic	SERVICE	0		
Municipality	Popula- tion	Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Nipigon Twp. Norwich Norwood Oil Springs Omemee	No. V.A. 1,380 951 448 750	\$ 16,064 .77 17,731 .16 10,265 .48 3,283 .09 6,961 .57	kwh 1,280,290 1,679,930 655,598 232,231 440,107	No. 414 463 278 130 226	kwh 257 302 197 149 162	\$ 3.23 3.19 3.08 2.11 2.57	cents 1.25 1.06 1.57 1.42 1.58
Orono Otterville Paisley Palmerston Parkhill	719 588 729 1,570 975	9,513.12 6,411.51 8,755.11 20,002.79 14,032.80	536,271 540,350 528,300 1,770,503 1,026,790	238 192 251 493 350	188 235 175 299 245	2.78 2.91 3.38	1.77 1.18 1.66 1.13 1.36
Plattsville Point Edward Port Elgin Port McNicoll Port Perry	402 1,787 1,610 853 1,725	6,370.16 17,833.86 28,221.24 8,702.13 22,421.55	999,135 1,752,482 478,592	140 489 683 339 514	256 170 214 118 226	3.04 3.44 2.14	1.48 1.79 1.61 1.80 1.60
Port Rowan Port Stanley Priceville Princeton Queenston	783 1,205 153 334 332	5,660.68 29,164.79 1,838.53 4,721.29 5,673.44	274,230 2,246,305 68,525 359,680 595,967	229 1,048 50 116 105	100 179 114 258 473	2.06 2.32 3.04 3.39 4.50	2.06 1.30 2.68 1.31 .90
Red Rock Imp. Dist	1,425 570 454 683 913	10,922.08 6,653.85 6,079.14 9,291.28 6,041.55	305,419 671,022	193 158 148 216 312	355 227 172 259 115	4.71 3.51 3.42 3.58 1.61	1.30 1.55 1.99 1.38 1.40
Rosseau	197 475 528 631 705	2,549.70 5,818.94 7,935.88 5,502.54 8,081.71	72,750 292,380 508,660 449,683 712,020	87 143 178 195 172	70 170 238 192 345	2.44 3.39 3.72 2.35 3.92	3.50 1.99 1.56 1.22 1.14
Schreiber Twp. Shelburne Smithville Southampton Springfield	V.A. 1,274 658 1,619 517	27,258.97 12,462.46 6,027.49 22,427.14 4,178.81	909,362 922,080 433,428 1,562,290 242,801	447 397 220 792 133	169 193 164 164 152	5.08 2.61 2.28 2.36 2.62	3.00 1.35 1.40 1.49 1.72
Stayner Stirling Stoney Creek Stouffville Streetsville	1,241 1,157 1,805 1,701 1,100	13,385.97 14,498.41 27,027.86 17,086.07 15,073.27	1,068,597 1,346,071 2,293,268 1,719,285 1,264,768	387 367 551 527 320	230 306 347 272 329	2.88 3.29 4.09 2.70 3.93	1.25 1.08 1.18 .99 1.20

AND CONSUMPTION

Power service in Municipalities

1951—(Continued)

Less than 2,000 population—Continued

	2				D				
	COMMERCIAL L	IGHT SE	RVICE			Power	R SERVI		
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 14,778.23 9,535.66 5,564.72 1,972.92 3,228.26	kwh 1,054,500 537,612 217,830 83,582 123,400	No. 99 98 76 38 40	kwh	\$ 12.44 8.11 6.10 4.33 6.73	cents 1.40 1.77 2.55 2.37 2.62	\$ 1,791.02 3,627.71 4,798.38 5,578.36 2,362.96	No. 4 11 5 33 6	kw 62.40 140.03 154.57 124.70 70.41	No. 517 572 359 201 272
3,443.96 2,967.55 5,125.93 10,915.33 8,094.58	120,300 166,190 207,210 599,121 372,300	43 68 63 106 94	233 204 274 471 330	6.67 3.64 6.78 8.58 7.18	2.86 1.78 2.47 1.82 2.18	371.03 867.27 2,451.15 10,497.16 5,889.07	3 9 7 22 12	12.22 45.54 67.30 522.60 159.30	284 269 321 621 456
3,650.62 7,422.59 14,088.75 1,926.23 10,135.30	171,598 264,314 625,893 81,590 438,622	30 65 151 29 105	477 339 345 234 348	10.14 9.52 7.78 5.54 8.04	2.13 2.81 2.25 2.40 2.30	4,341.41 97,223.54 7,645.55 10,813.72 3,732.70	2 13 14 2 12	145.20 2,510.70 242.10 1,162.55 125.64	172 567 848 370 631
6,081.20 10,764.29 1,023.41 1,812.92 3,421.27	309,361 636,901 32,653 86,902 218,577	78 124 12 29 23	331 428 227 250 792	6.50 7.23 7.11 5.21 12.40	1.96 1.69 3.13 2.08 1.60	732.38 15,379.74 2,092.93	4 17 4	31.00 687.26 62.70	311 1,189 62 149 128
8,173.31 3,125.07 3,620.99 3,070.81 4,326.72	460,540 143,612 92,079 162,320 229,592	21 27 55 38 79	1,829 443 139 356 242	5.49	1.70 2.18 3.90 1.89 1.88	653.35 2,542.68 69.29 3,821.16	3 2 9	15.60 65.10 2.90 151.19	216 185 206 256 400
2,424.94 3,366.50 3,271.81 3,887.00 3,519.41	70,012 110,132 152,925 244,411 186,518	16 38 15 46 39	242		3.50 3.06 2.14 1.59 1.88	391.20 255.09 3,662.94 4,068.87	2 1 5 8	10.02 11.19 121.80 181.80	103 183 194 246 219
12,399.11 7,849.67 4,548.43 10,791.10 1,745.59	375,275 467,660 230,077 447,769 81,340	48 98 70 93 33	651 397 274 401 205	21.52 6.67 5.41 9.67 4.41	3.30 1.68 2.00 2.41 2.15	5,739.12 5,017.31 11,483.01 15,607.04 1,539.51	2 13 9 14 4	128.20 208.20 403.80 498.10 51.06	497 508 299 899 170
7,072.90 7,579.27 11,585.82 9,839.64 6,280.05	343,539 405,770 578,034 655,368 309,644	101 89 89 102 71	283 380 541 535 363	5.83 7.10 10.85 8.04 7.37	2.06 1.87 2.01 1.50 2.00	4,473.48 3,037.87 4,513.72 8,459.54 17,006.08	19 15 12 11 13	188.70 142.04 131.80 368.50 572.10	507 471 652 640 404

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the Year

MUNICIPALITIES

Municipality	Popula- tion	Domestic service					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
Sunderland	No. 521 1,235 490 1,096 854	\$ 6,650.95 15,793.76 5,582.07 13,844.33 8,427.05	kwh 435,191 1,075,825 352,620 1,384,358 583,474	No. 182 600 174 341 265	kwh 199 149 169 338 183	2.67 3.38	cents 1.53 1.50 1.58 1.00 1.46
Terrace Bay Imp. Dist. Thamesford. Thamesville. Thedford. Thornbury.	1,246 546 950 592 1,003	23,994.27 8,981.87 7,718.60 6,531.30 11,358.05	696,573 496,464 388,251	286 183 306 206 340	667 316 135 157 173	4.07 2.10 2.64	1.04 1.29 1.56 1.68 1.61
Thorndale. Thornton. Tottenham. Trafalgar Twp. Tweed.	299 181 577 V.A. 1,600	4,547.70 2,132.96 6,963.92 80,725.80 15,992.13	467,960 5,006,370	94 75 192 1,248 417	237 109 203 334 218	3.02 5.39	1.70 2.17 1.49 1.60 1.46
Uxbridge. Victoria Harbour Wardsville Warkworth Waterdown	1,776 958 365 522 1,361	22,029.60 7,630.93 3,782.06 5,429.83 18,029.52	401,520	563 336 96 170 384	238 100 242 156 342	1.89 3.28 2.66	1.90 1.36 1.70
Waterford Watford Waubaushene Wellesley Wellington	1,665 1,149 V.A. 560 993	15,068.52 15,653.81 6,131.71 6,192.71 10,749.45	1,228,310 1,131,274 373,406 415,130 853,680	533 357 310 162 397	192 264 100 213 179	3.65 1.65 3.19	1.23 1.38 1.60 1.50 1.26
West Lorne. Westport. Wheatley. Williamsburg. Winchester.	1,036 716 1,006 264 1,175	8,811.99 7,270.05 9,113.60 2,588.29 12,111.15	659,084 443,300 621,660 267,220 1,059,310	292 197 297 96 355	188 188 174 232 249	3.08 2.56 2.25	
Windermere	140 1,673 382 710 534	3,489.92 20,302.57 4,271.92 5,275.91 7,548.61	124,620 1,901,938 268,638 276,865 422,018	87 434 133 211 195	119 365 168 109 183	3.90 2.68 2.08	2.80 1.10 1.60 1.91 1.77

AND CONSUMPTION

Power service in Municipalities

1951—(Concluded)

Less than 2,000 population—Concluded

	COMMERCIAL LIGHT SERVICE POWER SERVICE								
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$ 3,912.54 12,668.52 3,756.09 7,193.36 4,825.15	kwh 160,019 620,319 161,150 425,795 233,296	No. 46 131 50 105 66	kwh 290 395 269 338 296	\$ 7.09 8.06 6.26 5.71 6.09	2.00 2.33 1.69	\$ 3,377.20 4,139.73 2,402.48 10,129.10 6,240.26	No. 3 9 7 10 11	kw 90.22 118.10 65.10 363.90 207.10	740 231 456
11,120.32 4,041.65 7,039.00 5,261.48 5,284.66	577,585 209,965 397,832 227,614 229,910	26 47 94 68 82	1,851 372 353 279 234	35.64 7.17 6.24 6.45 5.37	1.93 1.77 2.31	7,472.39 2,965.75 6,461.02 2,582.65 4,649.98	1 5 13 5 15	142.00 106.88 216.75 70.80 212.60	235 413 279
1,540.71 784.78 3,036.63 9,370.73 10,266.86	54,410 36,650 124,814 350,350 415,461	24 13 51 80 104	189 235 204 365 333	5.35 5.03 4.96 9.76 8.23	2.14 2.43 2.70	2,838.12 276.25 2,100.42 9,651.65 12,028.08	3 1 9 16 25	73.59 16.30 61.60 242.00 317.46	89 252 1,344
9,409.08 2,297.28 3,013.77 2,465.49 4,936.29	386,295 107,190 170,406 103,879 276,106	124 35 21 48 55	260 255 676 189 418	11.96 4.28	2.10 1.77 2.37	7,917.45 267.04 40.64 693.87 2,343.83	17 1 1 2 10	253.40 6.37 2.24 13.77 103.60	704 372 118 220 449
6,566.36 9,563.48 2,380.60 3,563.79 4,681.93	466,252		438 427 299 289 282	6.29 8.76 6.01 5.40 5.20	2.05 2.00 1.87	5,999.97 9,998.37 883.17 1,775.48 5,624.92	6	275.80 275.00 21.20 59.40 212.00	458 346 223
6,618.23 6,442.04 9,936.48 2,648.83 8,854.51	364,426 247,070 532,940 181,338 550,430	64 89 37	380 322 499 408 488	5.97	2.61 1.86 1.46	17,716.91 8,372.39 720.81 7,656.21	15 12 2 5	541.89 286.65 36.28 293.03	261 398 135
2,284.54 10,216.58 1,994.54 3,003.29 5,814.61	82,430 562,308 71,276 134,634 228,165	70 33 51		4.91	1.80 2.80 2.23	1,190.46 32,243.44 896.75 3,398.67 592.66	15 2 5	38.60 1,205.70 36.15 104.64 19.40	519 168 267



APPENDIX I—OPERATIONS

Summary Tabulations and Statements—Dependable Peak Capacity and Actual Station Output—Loads of Municipal Electrical Utilities

The tables presented in this appendix are modifications of some that in issues of the Report previous to 1950 appeared in the preface and in Section I. In this appendix they are convenient for reference and do not break the narrative of the Operation of the Systems.

The first set of four tables presents concisely a comparison of the resources, demands, and loads of 1951 and 1950.

The next table gives details of the capacity and output of the Commission's generating stations and lists the sources and quantities of its purchased power. The capacities listed are defined as "dependable 20-minute peak capacities" and may differ slightly from "maximum normal plant capacities" formerly shown. A definition of dependable capacity is placed at the end of the table. The most significant information about resources should be related to the time of maximum demand which, for the Commission, usually occurs in December.

In conformance with modern engineering practice, statistics of loads and capacities in these tables, and elsewhere in the Report, have been expressed in kilowatts rather than horsepower. For purposes of making comparisons with earlier issues of the Report or with other publications still employing the horsepower unit, the following approximate equation may be used:

1 horsepower = .746 kilowatt

The final table in the appendix, entitled "Loads of Municipal Electrical Utilities," has recently been modified to include data relating to energy consumption. Previously, comparisons were made between peak loads of consecutive years.

RESOURCES, GENERATED AND PURCHASED DECEMBER 1950 AND 1951

	Dependable peak capacity		
	1950 kw	1951 kw	Increase kw
SOUTHERN ONTARIO SYSTEM Commission's generating stations Power purchased	1,416,900 764,100	1,686,150 703,100	269,250 61,000
Total resources	2,181,000	2,389,250	208,250
THUNDER BAY SYSTEM Commission's generating stations. Power purchased	232,000 600	234,000 1,100	2,000 500
Total resources	232,600	235,100	2,500
Northern Ontario Properties Commission's generating stations Power purchased	316,700	317,400	700
Total resources	316,700	317,400	700

PRIMARY LOADS CARRIED AND DEMANDS FOR PRIMARY POWER DECEMBER 1950 AND 1951

At the time of the December potential primary peak demand

	1950	1951	Increase
	kw	kw	kw
Southern Ontario System Primary load carried. Primary load cut	2,147,764 213,100	2,283,654 262,100	135,890 49,000
Primary demand Estimated effect of voluntary curtailment in the supply of power to municipal and rural	2,360,864	2,545,754	184,890
customers		84,246	84,246
Potential primary peak demand	2,360,864	2,630,000	269,136
THUNDER BAY SYSTEM (incl. Rainy River District) Primary load carried Primary load cut	179,710	192,415	12,705
Primary demand	179,710	192,415	12,705
Northern Ontario Properties			
(excl. Rainy River District) Primary load carried Primary load cut	258,411	286,653	28,242
Primary demand	258,411	286,653	28,242

ENERGY UTILIZED 1950 AND 1951

	1950	1951	Increase calendar year 1951 over 1950
SOUTHERN ONTARIO SYSTEM PrimarySecondary	kwh 12,578,835,632 299,193,600	kwh 14,497,779,269 788,612,500	per cent 15.3 163.6
Total primary and secondary	12,878,029,232	15,286,391,769	18.7
THUNDER BAY SYSTEM (incl. Rainy River District) Primary Secondary	1,164,200,890 169,067,100	1,272,305,404 305,968,300	9.3 81.0
Total primary and secondary	1,333,267,990	1,578,273,704	18.4
Northern Ontario Properties (excl. Rainy River District) PrimarySecondary.	1,544,603,716 124,548,012	1,774,275,426 172,511,157	14.9 38.5
Total primary and secondary	1,669,151,728	1,946,786,583	16.6

ENERGY SUPPLIED TO COMMISSION'S CUSTOMERS 1950 AND 1951

	1950	1951	Increase calendar year 1951 over 1950
SOUTHERN ONTARIO SYSTEM Primary Municipalities* Industries Rural Power District**	kwh	kwh	per cent
	6,924,883,374	7,713,325,160	11.4
	3,384,070,073	4,095,512,238	21.0
	901,416,491	1,039,648,198	15.3
TotalSecondary	11,210,369,938	12,848,485,596	14.6
	291,338,340	750,783,500	157.7
Total primary and secondary	11,501,708,278	13,599,269,096	18.2
THUNDER BAY SYSTEM (incl. Rainy River District) Primary			
Municipalities*IndustriesRural Power District**	265,116,168	296,524,495	11.8
	807,995,650	873,625,421	8.1
	10,605,934	13,111,706	23.6
Total	1,083,717,752	1,183,261,622	9.2
	154,644,597	279,065,964	80.5
Total primary and secondary	1,238,362,349	1,462,327,586	18.1
Northern Ontario Properties (excl. Rainy River District) Primary			
Municipalities* Industries Rural Power District**	186,400,258	221,551,494	18.9
	1,156,214,933	1,277,607,257	10.5
	34,796,283	49,606,087	42.6
Total	1,377,411,474	1,548,764,838	12.4
Secondary	97,780,770	164,243,663	68.0
Total primary and secondary	1,475,192,244	1,713,008,501	16.1

^{*} Except group 5 see page 36.
** Including municipalities group 5 see page 36.

DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT IN DECEMBER 1951, AND TOTAL ENERGY OUTPUT DURING 1951

	2 2 - 1 - 1 0 1 / 0 1			
SOUTHERN O	NTARIO SYSTEM	Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
River	Hydro-Electric Generating Station	,	1	1 1
	. •	kw	kw	kwh
	Sir Adam Beck-Niagara No. 1	320,000	390,000	2,713,366,000
	Ontario Power	135,000	139,000	1,174,030,100
W-111 C1*T	Coronto Power	105,000	108,000	887,678,300
welland Canal*I	DeCew FallsDeCew Falls (60 & 66 3/3 cycle)	122,000	122,000	816,800,000
Otto I	Decew Falls (60 & 66% cycle)	28,000	34,000	217,126,800
	Des Joachims	380,000	380,000	2,292,833,200
*(Chenaux	120,000	117,000	626,025,820
	Chats Falls (Ontario half)	85,000	82,000 41,750	499,144,400
	Barrett Chute	42,000		241,589,600
	Calabogie	4,400 63,000	4,410 64,500	27,533,040 280,403,700
	Stewartville	11,150	12,000	
	Heely Falls	2,950	3,275	79,741,940
	Seymour			20,631,840
	Ranney Falls	8,350 3,250	8,765 3,650	57,559,520
	Hagues Reach	5,100	5,850	23,720,540
	Meyersburg			39,222,790
	Sills Island		$\frac{1,470}{2,750}$	10,361,680
	Frankford	2,550 3,350	3,700	17,539,200 23,751,900
	Sidney		350	2,548,800
	Bala No. 1 and 2		7,800	43,862,030
	Ragged Rapids		7,200	41,491,900
South Muslcoles	Big Eddy		1,700	11,006,400
	Trethewey Falls		1,700	7.340.000
	Hanna Chute	4,200	4,300	26,706,060
	South Falls	5,400	5,880	26,280,200
	Eugenia Falls		760	4,275,401
	Wasdells Falls		4,260	30,674,000
	Big Chute Fenelon Falls	1 '1	700	5,314,610
	akefield		1,785	8,845,000
	Auburn		1,930	12,157,860
	High Falls		2,800	14,975,520
	Carleton Place		2,000	14,510,020
	Galetta		960	2,922,000
	Merrickville	900	785	4,956,200
	Hanover	0 = 0	280	1,767,936
	Walkerton	1 = = = 1	. 355	2,420,500
	Burks Falls		130	320,200
Location	Fuel-Electric Generating Station	300	200	520,200
	Scarborough (steam)	20,000	26,300	25,597,700
	Richard L. Hearn (steam)		90.000	24,300,000
Thorold (Ontario Paper (steam) (60 & 66% cycle).	15,000	17,500	17,203,500
Hamilton 1	Familton Beach (steam)	10,000	10,800	10,376,160
*6	Steel Co. of Canada (steam)	6,000	5,000	23,610,600
	Westinghouse (diesel) (60 & 66% cycle).		2,000	21,200
Chatham *C	Canada & Dominion Sugar Co. (steam)	2,000	2,000	5,039,500
	J. Clark Keith (steam)		5,000	637,400
	version for station service use at Richard		5,000	301,100
	enerating Station		4,900	2,704,000
		1 000 150	**	10,401,007,047
Total		1,000,130		10,401,007,047
THUNDER BA	Y SYSTEM			
	Hydro-Electric Generating Station			
	Cameron Falls	56,000	56,000	393,823,400
	Alexander		41,000	
	Pine Portage		62,000	
	Aguasabon		40,500	
	Kakabeka		25,500	
			**	
lotal		234,000		1,572,460,660

DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT IN DECEMBER 1951, AND TOTAL ENERGY OUTPUT DURING 1951

NORTHERN ONTARIO PROPERTIES	Dependable 20-min peak capacity,	Actual 20-min peak output (net)	Total energy output (net)
River Hydro-Electric Generating Station Abitibi *Abitibi Canyon Mississagi George W. Rayner English Ear Falls Mattagami *Wawaitin *Sandy Falls *Lower Sturgeon Montreal Indian Chute Hound Chute Fountain Falls Upper Notch	kw 184,000 42,000 20,000 9,200 3 200 6, 0 2,800 3,600 2,000 8,400	kw 181,000 47,200 22,500 10,920 2,900 3,000 3,030 3,630 1,000 8,200	297,094,860 150,989,800 74,038,672 21,892,212 26,430,370 21,871,000 30,165,790 7,561,500 60,588,000
Wanapitei Stinson. Coniston. McVittie. Matabitchuan Matabitchuan. Sturgeon Crystal Falls. South Nipissing. Bingham Chute. Elliott Chute. Albany Rat Rapids.	5,500 4,200 2,300 9,000 8,000 1,500 1,300 2,500	5,730 4,160 2,290 8,800 7,850 1,620 940 1,380 2,480	45,202,600 10,709,700 5,401,700 5,112,400
Albany Kagawong Location Kagawong Total Rat Rapids Kagawong Kagawong Fuel-Electric Generating Station Kagawong (diesel portion)	300 317,400	2,480 700 200 **	4,200,970
Total generated—All systems	2,237,550	**	14,025,616,458
SOURCES OF PURCHASED POWER SOUTHERN ONTARIO SYSTEM *Canadian Niagara Power Co. Polymer Corporation. Gatineau Power Co. (25 & 60 cycle). *Ottawa Valley Power Co. *Beauharnois Light, Heat & Power Co. Maclaren-Quebec Power Co. (25 & 60 cycle). Miscellaneous (relatively small suppliers) (25 & 60 cycle)	15,000 22,000 254,000 85,000 187,000 138,000 2,100	17,000 20,500 280,400 82,000 213,000 156,500 4,474	16,502,400 1,577,870,800 502,977,400 1,667,860,000 891,567,000
Total Thunder Bay System Ontario-Minnesota Pulp & Paper Co. Northern Ontario Properties Abitibi Power & Paper Co. (25 & 60 cycle) Miscellaneous (relatively small suppliers).			6,143,180
Total		122	8,014,832
Total purchased—All systems	704,200	**	4,785,835,598
Total generated and purchased—All systems	2,941,750	**	18,811,452,056

* 25-cycle stations, others are 60 cycle, except as indicated.

^{**} Because the maximum 20-minute peak outputs of the various generating stations and purchased power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

The dependable peak capacity of a source of generation is the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is press med that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM		-		10.000	
Acton Agincourt Ailsa Craig Alexandria Alliston	Jan. '13 Nov. '22 Jan. '16 Jan. '21 Jun. '18	25 60 60 60 60	2,077.7 760.5 202.6 630.8 958.6	10,382 3,105 696 2,611 3,722	3.9 15.6 9.5 8.5 14.0
Almonte Alvirston Amherstburg Ancaster Twp.—V.A Apple Hill	Feb. '45 Apr. '22 Feb. '19 Jan. '14 Apr. '21	60 60 25 25 60	625.5 187.4 1,789.5 886.6 54.8	1,289 593 8,202 3,391 201	32.6 6.6 4.3 19.9 9.4
Arkona Arnprior Arthur Athens Aurora	Dec. '26 Jun. '29 Dec. '16 Jan. '29 Dec. '20	60 60 60 60 60	151.2 2,089.5 354.7 128.3 1,901.5	510 8,527 1,406 658 9,761	14.3 11.6 9.6 19.1 9.1
Aylmer Ayr. Baden Bala Bancroft	Mar. '18 Jan. '15 May '12 Apr. '29 Mar. '50	25 25 25 60 60	2,090.9 438.2 572.1 181.6 81.0	8,278 1,335 2,084 1,010 241	18.6 11.1 19.1 3.2
Barrie Barry's Bay Bath Beachville Beamsville	Apr. '13 Jan. '50 Nov. '31 Aug. '12 Jan. '30	60 60 60 25 25	7,330.9 175.5 107.3 901.2 840.5	33,016 421 377 5,086 3,706	20.8 13.9 7.0
Beaverton Beeton Belle River Belleville Blenheim	Nov. '14 Aug. '18 Dec. '22 Mar. '16 Nov. '15	60 60 25 60 25	447.7 208.3 401.0 11,089.8 1,078.0	1,780 728 1,657 55,321 3,925	5.2 5.1 11.4 10.7 12.0
Bloomfield Blyth Bobcaygeon Bolton Bothwell	Jul. '24 Jul. '46	60 60 60 60 25	191.5 357.7 297.0 370.0 258.3	827 1,422 1,235 1,513 899	5.2 10.0 34.5 41.5 10.9
Bowmanville Bradford Braeside Brampton Brantford	Jun. '29 Nov. '11	60 60 60 25 25	3,941.9 693.9 194.5 5,051.0 25,597.8	18,121 3,308 585 21,090 124,244	5.0 24.8 4.0 14.2 7.8
Brantford Twp.—V.A. Brechin Bridgeport Brigden Brighton	Mar. '28 Jan. '18	25 60 25 60 60	4,674.6 77.7 422.9 184.6 759.3	17,742 241 1,470 507 3,364	15.5 7.3 9.1 16.5 4.2

	1	1	1	1	1
Municipality	Date of first delivery	Frequency	Peak load December 1951	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued Brockville Bronte Brussels. Burford Burgessville	Apr. '15	60	8,026.7	37,705	7.8
	Jan. '30	60	398.0	1,312	19.3
	Jul. '24	60	358.1	1,498	15.0
	Jun. '15	25	442.7	1,626	7.1
	Nov. '16	25	98.8	314	7.1
Burks Falls. Burlington Burlington Beach Caledonia Campbellville	Jan. '50 Jan. '30 Jan. '30 Oct. '12 Jan. '25	60 60 25 & 60 25 25	208.2 3,423.6 850.8 646.3 94.9	663 13,376 3,305 2,394 317	13.8 .12.4 .14.1 .18.6
Cannington.	Nov. '14	60	366.0	1,421	21.5
Cardinal	Jul. '30	60	507.0	1,961	10.8
Carleton Place.	May '19	60	2,062.4	9,995	0.2
Cayuga.	Nov. '24	25	230.2	947	0.4
Chatham.	Feb. '15	25	11,117.4	55,260	13.8
Chatsworth Chesley Chesterville Chippawa Clifford.	Dec. '15	60	207.5	654	15.5
	Jul. '16	60	824.1	3,302	6.4
	Apr. '14	60	645.1	2,600	15.5
	Sep. '19	25	573.1	2,364	8.6
	May '24	25	225.3	872	17.6
Clinton	Mar. '14	60	1,313.6	5,846	10.6
Cobden	Dec. '34	60	304.8	1,037	15.7
Cobourg	Mar. '16	60	3,818.7	17,462	4.4
Colborne	Mar. '16	60	447.6	1,985	16.0
Coldwater	Mar. '13	60	239.8	950	7.8
Collingwood	Mar. '13	60	3,608.2	14,748	12.6
	May '15	25	207.9	710	8.7
	May '18	60	154.8	567	14.4
	Feb. '19	25	169.9	538	3.6
	Dec. '23	60	101.7	354	25.1
Creemore. Dashwood. Delaware. Delhi Deseronto	Nov. '14	60	229.4	914	10.4
	Sep. '17	60	177.0	564	10.5
	Mar. '15	60	165.8	518	9.9
	May '38	25	1,292.0	4,309	12.8
	Mar. '16	60	488.9	2,193	14.8
Dorchester Drayton Dresden Drumbo Dublin	Dec. '14 Mar. '18 Apr. '15 Dec. '14 Oct. '17	60 25 25 25 25 60	251.3 191.5 682.4 159.6 82.9	799 702 3,124 518 432	24.3 8.1 16.7 3.1 10.4
Dundalk Dundas Dunnville Durham Dutton	Dec. '15	60	393.6	1,164	10.4
	Jan. '11	25	3,997.5	14,982	15.7
	Jun. '18	25	2,202.7	8,159	7.0
	Dec. '15	60	657.3	2,911	17.4
	Sep. '15	25	289.7	1,038	11.1

Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy con- sumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued East York Twp.—V.A. Elmira Elmvale. Elmwood. Elora.	Dec. '23	60	24,367.0	99,185	21.6
	Nov. '13	25	2,037.3	9,521	14.3
	Jun. '13	60	365.7	1,424	17.7
	Apr. '18	60	156.4	424	10.7
	Nov. '14	25	657.7	2,567	14.7
Embro. Erieau Erie Beach Erin Essex	Jan. '15	25	245.9	863	19.3
	Jul. '24	25	196.0	1,004	4.3
	Ju.l '25	25	18.7	97	3.3
	Jan. '45	60	218.3	675	40.6
	Feb. '19	25	978.6	4,293	11.3
Etobicoke Twp.—V.A Exeter Fergus Finch, Flesherton	Aug. '17	25*	30,297.7	130,526	28.7
	Jun. '16	60	1,363.6	5,434	6.9
	Nov. '14	25	2,107.8	8,406	8.5
	Feb. '28	60	173.8	628	8.0
	Dec. '15	60	179.4	600	15.7
Fonthill. Forest. Forest Hill. Frankford. Galt.	Jun. '26	25	637.4	2,326	17.3
	Mar. '17	60	828.5	3,665	10.4
	Jan. '38	25	9,654.1	40,272	10.4
	Oct. '37	60	359.1	1,286	13.8
	May '11	25	14,507.2	57,971	13.4
GeorgetownGlencoeGoderichGrand ValleyGranton.	Sep. '13	25	2,572.4	13,100	10.8
	Aug. '20	60	327.7	1,261	8.9
	Feb. '14	60	2,373.4	11,491	8.6
	Dec. '16	60	282.4	1,097	7.8
	Jul. '16	60	74.6	280	8.8
Gravenhurst. Grimsby. Guelph. Hagersville. Hamilton.	Nov. '15 Jan. '30 Dec. '10 Sep. '13 Feb. '11	60 25 25 25 25 25 & 60	1,770.6 1,290.2 16,372.0 1,381.7 182,626.7	8,127 6,388 74,220 4,256 1,009,824	0.6 11.1 8.8 10.3 9.0
Hanover	Sep. '16	60	2,284.4	8,704	13.1
Harriston	Jul. '16	25	764.3	3,295	13.5
Harrow	Feb. '19	25	947.6	3,281	9.2
Hastings	Jun. '31	60	224.9	863	2.7
Havelock	Feb. '21	60	327.6	1,190	15.5
Hensall.		60	377.6	1,357	8.5
Hepworth.		60	75.7	269	15.5
Hespeler		25	3,596.6	17,066	0.4
Highgate.		25	150.5	412	21.3
Holstein.		60	40.0	160	17.2
Humberstone Huntsville Ingersoll Iroquois Jarvis	Sep. '16 May '11 Feb. '40	25 60 25 60 25	900.1 1,832.4 4,000.2 457.8 245.3	3,635 9,642 17,053 1,976 965	9.7 6.0 5.5 9.2 7.8

^{*} Changed from 25 to 60 cycles in period ending May 31, 1952.

Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued Kemptville Kincardine Kingston Kingsville Kirkfield	Dec. '21 Mar. '21 Dec. '17 Feb. '19 Jun. '20	6 60 60 25 60	878.9 1,158.2 22,830.0 1,177.2 50.2	3,546 5,512 106,665 4,246 160	28.3 7.6 7.7 9.0 15.1
Kitchener Lakefield Lambeth Lanark Lancaster	Jan. '11 Aug. '20 Apr. '15 Sep. '21 May '21	25 60 60 60 60	36,735.5 952.3 515.0 166.8 110.1	167,445 4,973 1,630 587 420	9.4 32.7 55.5 2.2 26.6
La Salle Leamington Lindsay. Listowel. London.	Nov. '25 Feb. '19 Mar. '16 Jun. '16 Jan. '11	25 25 60 25 60	641.6 3,113.7 4,768.0 1,880.0 47,224.5	2,472 14,593 22,167 8,038 248,358	21.8 13.3 10.2 13.6 4.6
London Twp.—V.A Long Branch Lucan Lucknow Lynden	Sep. '17 Jan. '31 Feb. '15 Jan. '21 Nov. '15	60 25 60 60 25	1,137.0 4,006.0 376.8 496.1 198.8	3,945 17,474 1,499 2,115 609	13.7 21.7 9.3 17.9 10.0
Madoc Magnetawan Markdale Markham Marmora	Mar. '16 Jul. '51 Mar. '16 Apr. '20 Jan. '21	60 60 60 60 60	551.1 40.0 397.7 687.8 285.1	1,999 1,386 2,651 1,059	7.6 18.9 33.8
Martintown Maxville Meaford Merlin Merrickville	May '21 Feb. '21 Jan. '24 Dec. '22 Jul. '50	60 60 60 25 60	72.0 214.0 1,370.4 176.0 313.8	253 792 5,347 584 1,224	9.8 9.2 19.4 13.0
Merritton Midland Mildmay Millbrook Milton	Apr. '30 Mar. '16	25 60 60 60 25	11,347.8 5,174.2 318.5 239.6 2,156.3	60,869 22,438 1,065 891 8,605	7.9 21.4 12.6 15.9 14.8
Milverton Mimico Mitchell Moorefield Morrisburg	Sep. '11 Mar. '18	25 60 60 25 60	634.0 4,991.8 1,280.9 95.4 684.5	2,082 19,829 4,980 361 3,307	19.4 15.1 10.3 15.6 10.5
Mount Brydges Mount Forest Napanee Neustadt Newboro	Dec. '15 Mar. '16 Dec. '18	60 60 60 60 60	210.4 1,006.8 1,994.1 133.3 54.0	683 3,623 9,212 469 187	6.0 16.8 10.3 13.1 20.3

	or MUNICITA	D EDECTIV	TONE OTTE	11125 1751	
Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued Newburgh Newbury Newcastle New Hamburg Newmarket	Mar. '16	60	102.7	396	5.6
	Mar. '21	25	75.8	314	12.9
	Mar. '16	60	408.1	1,616	9.8
	Mar. '11	25	918.8	3,232	12.7
	Dec. '20	60	2,962.1	11,983	11.8
New Toronto	Feb. '14	25*	12,020.1	63,970	7.6
Niagara	Aug. '19	25	1,183.4	5,851	8.7
Niagara Falls	Dec. '15	25	13,688.9	64,600	10.1
North York Twp.–V.A.	Nov. '23	25 & 60	46,762.0	184,773	38.9
Norwich	May '12	25	710.5	2,727	14.1
Norwood	Feb. '21	60	348.4	1,340	19.5
Oakville.	Jan. '30	60	3,845.0	17,939	25.6
Oil Springs	Feb. '18	60	216.3	1,000	4.4
Omemee.	Jan. '18	60	235.3	868	4.8
Orangeville	Jul. '16	60	1,394.2	5,800	11.6
Orono.	Mar. '16	60	224.0	736	15.3
Oshawa	Mar. '16	60	29,621.0	139,722	26.9
Ottawa.	Jan. '14	60	69,730.0	286,338	27.5
Otterville.	Feb. '16	25	221.6	839	8.2
Owen Sound.	Dec. '15	60	8,376.2	36,573	10.3
Paisley. Palmerston Paris Parkhill. Parry Sound.	Sep. '23	60	265.2	1,016	10.4
	Jul. '16	25	805.4	3,756	6.9
	Feb. '14	25	2,507.5	10,575	3.0
	May '20	60	469.5	1,918	13.1
	Aug. '46	60	628.6	2,310	57.8
Penetanguishene Perth Peterborough Petrolia Picton	Jul. '11	60	1,477.6	6,811	14.9
	Feb. '19	60	2,473.9	9,560	9.0
	Mar. '13	60	23,875.0	114,049	10.5
	May '16	60	1,243.0	6,017	16.2
	Apr. '19	60	2,120.3	9,680	9.8
Plattsville Point Edward Port Carling Port Colborne Port Credit	Dec. '14	25	273.5	972	13.9
	Nov. '16	60	2,153.1	8,380	1.2
	Apr. '29	60	179.1	1,222	9.1
	Mar. '20	25	3,250.5	13,547	22.4
	Aug. '12	25*	2,169.0	9,014	15.6
Port Dalhousie	Nov. '12	25	1,218.0	6,379	8.7
	Dec. '21	25	971.6	3,873	9.8
	Apr. '30	60	701.4	3,256	14.5
	Mar. '16	60	4,515.9	21,145	8.0
	Jan. '15	60	1,317.5	1,422	126.7†
Port Perry	Sep. '22	60	602.4	2,326	18.2
	Nov. '26	25	205.5	680	10.7
	Apr. '12	25	664.6	3,950	8.7
	Dec. '13	60	1,532.8	6,470	8.5
	Jan. '11	25	5,271.0	18,191	9.3

* Changed from 25 to 60 cycles in period ending May 31, 1952.
† This is not a normal increase. During 1951 the municipality took over a power customer formerly supplied by H-E.P.C.

Municipality	Date of first delivery	Frequency	Peak load December	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
•		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued Priceville Princeton Queenston Renfrew Richmond	Mar. '21 Jan. '15 Mar. '21 Dec. '44 Aug. '28	60 25 25 25 60 60	18.7 181.7 212.0 1,455.3 198.2	67 633 944 5,150. 652	8.5 19.0 12.2 10.3 28.2
Richmond Hill Ridgetown Ripley Riverside Rockwood	Jun. '25	60	1,302.2	4,675	20.0
	Dec. '15	25	816.7	3,149	9.0
	Jan. '21	60	164.6	580	8.2
	Nov. '22	25	3,414.9	12,936	32.0
	Sep. '13	25	292.7	997	16.5
Rodney	Feb. '17	25	274.0	1,020	17.0
Rosseau	Jul. '31	60	41.8	186	9.2
Russell	Feb. '26	60	135.5	499	10.3
St. Catharines	Apr. '14	25 & 60	32,111.5	156,221	6.7
St. Clair Beach	Nov. '22	25	209.3	758	27.8
St. George	Sep. '15	25	273.9	992	2.9
St. Jacobs	Sep. '17	25	348.8	1,285	2.9
St. Marys	May '11	60	2,273.0	10,178	5.9
St. Thomas	Apr. '11	25	9,735.0	51,317	5.3
Sarnia	Dec. '16	60	18,669.6	90,341	15.3
Scarborough TwpV.A.	Aug. '18	60	21,462.4	81,390	33.5
Seaforth.	Nov. '11	60	1,304.0	4,792	3.6
Shelburne	Jul. '16	60	529.7	2,087	14.4
Simcoe	Apr. '15	25	3,806.0	15,499	9.9
Smiths Falls.	Sep. '18	60	4,464.8	18,551	7.1
Smithville	Jan. '30	25	410.6	1,384	7.1
	Apr. '30	60	712.7	3,361	7.0
	Aug. '17	25	133.5	474	14.0
	Nov. '16	25	7,268.2	28,682	21.0
	Oct. '13	60	537.8	1,871	16.3
Stirling Stoney Creek Stouffville Stratford Strathroy	Mar. '16	60	582.5	2,243	10.6
	Jan. '30	25	963.0	3,790	24.0
	Sep. '23	60	883.2	3,090	16.2
	Jan. '11	25	9,693.0	48,505	12.2
	Dec. '14	60	2,135.7	9,438	14.2
Streetsville	Dec. '34	25	833.4	4,061	10.5
Sunderland	Nov. '14	60	257.4	828	18.5
Sutton	Aug. '23	60	467.9	2,299	12.3
Swansea	Oct. '37	60	4,237.9	19,163	13.4
Tara	Feb. '18	60	215.2	737	7.9
Tavistock Tecumseh Teeswater Thamesford Thamesville	Nov. '16	25*	782.0	3,126	18.8
	Nov. '22	25	802.8	3,656	13.1
	Dec. '20	60	370.4	1,292	10.6
	Feb. '14	60	414.2	1,323	18.3
	Oct. '15	25	507.7	1,460	18.0

^{*} Changed from 25 to 60 cycles in period ending May 31, 1952.

					Increase
Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy consumption during year	or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
SOUTHERN ONTARIO SYSTEM—Continued Thedford. Thornbury. Thorndale. Thornton. Thorold.	May 22	60	237.6	879	3.2
	Sep. '44	60	285.0	762	19.2
	Mar. '14	60	170.5	530	21.5
	Nov. '18	60	69.0	187	17.5
	Jan. '21	25	4,274.8	22,999	6.8
Tilbury Tillsonburg Toronto Toronto Twp.—V.A Tottenham	Apr. '15	25	1,111.7	4,848	1.5
	Aug. '11	25	2,781.8	10,528	7.9
	Jun. '11	25 & 60	421,584.0	2,211,206	8.2
	Aug. '13	25	11,027.1	45,255	17.0
	Oct. '18	60	247.4	855	7.1
Trafalgar Twp.—V.A	Dec. '23	25 & 60	2,008.8	7,100	34.9
Trenton.	Mar. '16	60	7,251.2	34,840	6.6
Tweed.	Mar. '16	60	540.2	2,625	5.9
Uxbridge	Sep. '22	60	675.0	2,846	16.0
Victoria Harbor	Jul. '14	60	157.6	648	6.4
Walkerton Wallaceburg Wardsville Warkworth Waterdown	Apr. '30	60	1,588.0	6,059	11.5
	Feb. '15	25	7,290.1	37,276	0.3
	Jun. '21	25	114.6	520	9.0
	Oct. '23	60	170.8	553	23.8
	Nov. '11	25	622.9	2,279	10.5
WaterfordWaterlooWatfordWaubaushene—V.AWelland	Apr. '15	25	634.0	2,494	6.9
	Dec. '10	25	8,155.0	35,316	8.0
	Sep. '17	60	641.4	2,263	10.3
	Dec. '14	60	157.5	736	7.7
	Sep. '17	25	12,211.0	58,192	15.6
Wellesley	Nov. '16	25	234.4	793	16.5
	Apr. '19	60	349.2	1,473	10.9
	Jan. '17	25	716.6	2,144	6.9
	Aug. '11	25	6,125.1	30,522	7.1
	Nov. '31	60	215.2	777	16.7
Wheatley	Feb. '24	25	455.5	1,750	7.0
	Mar '16	60	2,684.0	11,460	11.9
	Apr. '30	60	666.5	3,273	8.2
	Apr. '15	60	168.5	587	28.2
	Jan. '14	60	703.7	2,440	5.6
Windermere	Jun. '30	60	51.4	314	12.0
Windsor.	Oct. '14	25	63,333.0	292,697	9.8
Wingham.	Dec. '20	60	1,277.4	5,661	10.4
Woodbridge	Dec. '14	60	1,549.4	7,136	6.0
Woodstock	Jan. '11	25	10,839.6	48,771	9.4
Woodville	Nov. '14	60	105.0	433	40.1
	Nov. '16	60	262.2	602	5.4
	Jan. '13	25	37,684.3	166,645	15.3
	Sep. '17	60	227.0	779	12.2

Municipality	Date of first delivery	Fre- quency	Peak load December 1951	Energy consumption during year	Increase or decrease in consump- tion, calendar year 1951 over 1950
		cycles	kilowatts	'000 kwh	percentage
THUNDER BAY SYSTEM Beardmore Imp. Dist Fort William Geraldton Jellicoe Nipigon Twp.—V.A	Jun. '37 Oct. '26 Feb. '37 Dec. '51 Jan. '25	60 60 60 60 60	270.6 29,944.4 821.3 4.0 676.2	1,108 146,269 3,618 3,030	7.2 8.2 10.6
Port Arthur	Dec. '10 Feb. '48 Nov. '48 Jan. '48	60 60 60 60	28,902.0 384.0 502.8 871.8	130,345 1,585 2,908 4,163	15.6 7.6 26.7 8.8
NORTHERN ONTARIO PROPERTIES Atikokan Imp. Dist Cache Bay Capreol Cobalt Cottage Cove Townsite	Dec. '44 Dec. '50 May '35 Jan. '45 Nov. '40	60 60 60 60 60	1,114.5 77.0 883.5 655.6 164.0	4,307 236 3,804 2,673 625	46.0 17.6 9.8
Elk Lake Townsite Englehart Haileybury Hudson Townsite Kearns Townsite	Jan. '45 Jan. '45 Jan. '45 Oct. '39 Dec. '38	25 60 60 60 25	119.0 592.9 1,035.6 131.0 127.5	406 2,286 3,962 444 472	18.2 22.4 4.4 2.1 6.5
King Kirkland Townsite Larder Lake Twp Latchford Matachewan Townsite. Matheson	Dec. '36 Mar. '49 Apr. '50 Apr. '35 Dec. '35	25 60 60 25 25	56.7 453.3 52.8 283.5 295.0	204 2,074 172 1,001 1,077	8.9 10.5
McGarry Imp. Dist New Liskeard North Bay Powassan Red Lake Townsite	Mar. '49 Jan. '45 Mar. '16 Mar. '16 Jun. '38	60 60 60 60 60	607.4 1,913.4 8,075.8 272.0 634.3	2,235 7,403 39,311 879 2,568	20.3 13.3 9.7 31.9 4.1
Schumacher	Jan. '45 Sep. '39	25 60	908.5 878.1	3,457 4,129	8.0 14.7
South Porcupine TownsiteSturgeon FallsSudbury.	Jan. '45 Apr. '51 Feb. '30	25 60 60	1,370.4 1,056.2 18,584.8	5,592 77,942	8.9
Swastika Townsite	Jan. '45	25	363.2	1,358	16.2
Teck Twp. (Kirkland Lake)—	Jan. '45 Jan. '45 Jan. '45	25 & 60 60 25	5,602.0 26.5 7,681.9	23,451 113 30,427	33.4

APPENDIX II—FINANCIAL

Schedules in Support of Financial Statements Presented in Section II, Pages 18 to 35

Those financial statements which are probably of greatest interest to the majority of readers are given in Section II in the main body of this Report. The detailed supporting schedules are given here, and for convenient reference they have been listed in an index which appears both in Section II and in Appendix II.

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of Ontario on Behalf of the Co-operating Municipalities and Rural Power Districts of the Southern Ontario System and the Thunder Bay System,

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario

Description	Southern Ontario and Thunder Bay Systems	Northern Ontario Properties
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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

FIXED ASSETS—Summary, December 31, 1951

		In se	rvice	
System or property	Under construction	Non- depreciable	Depreciable	Total
Southern Ontario System	\$ 144,267,135,45 920,399,64 901,182,44 5,512,664,00 330,281,97 151,931,663,50	5,822,161.58 659,417.26 37,559.97	64,996,571.13 15,184,395.50	71,739,132.35 16,744,995.20 111,224,974.53 2,523,394.45

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1951

		In se	ervice	
Property	Under construction	Non- depreciable	Depreciable	Total
GENERATING STATIONS Niagara Division	\$. \$	\$	\$
Niagara River Sir Adam Beck—Niagara				
No. 1Sir Adam Beck—Niagara	4,268.40	47,927,949.95	28,705,291.83	76,637,510.18
No. 2	31,130,724.86	7 201 151 42	14 479 255 07	31,130,724.86
Ontario Power	7,250.66	7,281,151.42 3,823,379.60	7,625,168.44	21,759,506.49 11,455,798.70
Niagara Weir Welland Canal		416,326.62		416,326.62
DeCew Falls Ottawa River	11,236.57	10,263,655.45	16,073,076.67	26,347,968.69
Otto Holden Des Joachims	46,505,865.07	13,639,498.00	59,248,734.08	46,505,865.07 72,888,232.08
Chenaux	27 571 60	2,285,160.00 817,658.36	26,402,647.74	28,687,807.74 7,432,888.01
Power sites, etc	786,242.82	258,057.40	637,699.11	786,242.82 898,725.93
Long Lac Diversion Ogoki Diversion		3,300,539.39	1,740,709.10	5,041,248.49
Diesel generation Steam generating stations			456,412.99	456,412.99
Richard L. Hearn, Toronto. J. Clark Keith, Windsor	16,046,242.59 24,811,996.66			29,546,242.59 24,811,996.66
Auxiliaries	• • • • • • • • • • • •	184,297.87	6,011,932.50	6,196,230.37
Georgian Bay Division Muskoka River				
Bala No. 1 and No. 2 Ragged Rapids		69,120.64 70,889.49	43,379.34 1,257,432.28	112,499.98 1,328,321.77
Big EddyLand and water rights		170,434.74 17,224.03	1,119,192,76	1,289,627.50 17,224.03
South Muskoka River Trethewey Falls		51,549.45		357,263.89
Hanna ChuteSouth Falls	93.06	33,469.30 17,934.95	207,373.10 566,220.60	240,935.46
Hollow Lake Dam	• • • • • • • • • • • • • •	18,425.43		584,155.55 47,965.59
Beaver River Eugenia	589.39	142,538.73	1,169,026.34	1,312,154.46
Severn River Wasdell Falls	274.90	13,752.32	192,002.90	206,030.12
Big Chute Saugeen River		178,040.48		771,104.44
Hanover		10,000.00 100,286.31		10.000,00 205,170.11
Magnetawan River Burks Falls		24,134.00	156,975.32	181,109.32
Sauble River Lands and rights		4,200.00		4,200.00
Credit River Caledon		7,675.00		35,470.02
Miscellaneous	5,682.71	1,735.29	44,686.40	52,104.40
Eastern Ontario Division Trent River		7		
Heely Falls			1,211,666.81 314,003.09	1,223,454.56 324,737.99
			J	

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO SYSTEM FIXED ASSETS—December 31, 1951

_		In se	ervice	_
Property	Under construction	Non- depreciable	Depreciable	Total
GENERATING STATIONS— (Continued)	\$	\$	\$	\$
Ranney Falls Hagues Reach Meyersburg Sills Island Frankford	356.19	18,596.20	1,416,784.95 572,466.30 837,281.91 282,821.87	1,435,381.15 572,466.30 837,638.10 321,501.23
Frankford Sidney Crow River Otonabee River		1	1 249,850.46	280,609.43
Fenelon Falls	1,110.13	60,000.00 19,620.05 31,400.00	216,651.44	172,848.63 237,381.62 333,574.05
Barrett Chute	3,277.11	24,980.86	679,927.48 10,661,981.76 796,318.65 1,795.46	4,709,018.83 759,753.22 11,502,202.84 1,413,844.57 26,776.32 1,031,821.56
Mississippi River High Falls Galetta Rideau River		13,154.84 20,000.00		723,143.74 157,398.19
Merrickville Miscellaneous Intangible		7,547.51 14.00 2,217,761.29	115,238.35 36,354.94	122,785.86 36,368.94 2,217,761.29
	119,625,555.05	97,368,232.45	209,452,596.31	426,446,383.81
Transformer Stations Niagara Division Georgian Bay Division Eastern Ontario Division	198,640.64		113,210,478.98 4,801,279.22 11,616,787.09	123,693,260.99 4,999,919.86 12,937,178.04
	12,001,813.60		129,628,545.29	141,630,358.89
Transmission Lines Niagara Division Georgian Bay Division Eastern Ontario Division	10,311,552.81 282,020.05 1,019,640.77	16,818,637.43 180,866.94 1,306,040.84	77,508,094.52 5,090,139.15 11,562,974.97	104,638,284.76 5,553,026.14 13,888,656.58
	11,613,213.63	18,305,545.21	94,161,208.64	124,079,967.48
LOCAL SYSTEMS Niagara Division Georgian Bay Division			90,570.86 167,021.61	90,790.24 182,323.69
	15,521.46		257,592.47	273,113.93
COMMUNICATIONS Southern Ontario System	1,011,031.71		6,885,601.56	7,896,633.27
Total	144,267,135.45	115,673,777.66	440,385,544.27	700,326,457.38
RURAL POWER DISTRICT H-E.P.C. investment Government grants Total—Rural Power	2,778,787.61 2,733,876.39	37,559.97	53,326,580.38 52,348,170.18	. 56,142,927.96 55,082,046.57
District	5,512,664.00	37,559.97	105,674,750.56	111,224.974.53

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO THUNDER BAY SYSTEM

FIXED ASSETS—December 31, 1951

		In se	rvice	
Property	Under construction	Non- depreciable	Depreciable	Total
GENERATING STATIONS Nipigon River	\$	\$	\$	\$
Cameron Falls. Alexander. Pine Portage. Virgin Falls Dam.	1,796.07 1,607.13	857,418.84 77,373.72 2,630,000.00 55,450.41	9,679,159.91 7,120,234.53 24,186,149.55 431,190.80	10,536,578.75 7,199,404.32 26,817,756.68 486,641.21
Aguasabon River Aguasabon Kaministikwia River Kakabeka Falls		937,004.94	11,737,730.52 3,681,569.63	12,674,735.46 4,200,173.49
какарека гану	3,403.20	518,603.86 	56,836,034.94	
TRANSFORMER STATIONS TRANSMISSION LINES COMMUNICATIONS LOCAL SYSTEMS	763,775.67 65,276.70	746,309.81	1,934,466.93 5,842,570.58 252,556.56 130,942.12	2,009,690.00 7,352,656.06 317,833.26 143,663.12
Total	920,399.64	5,822,161.58	64,996,571.13	71,739,132.35
RURAL POWER DISTRICT H-E.P.C. investment Government grants Total—Rural Power	165,140.99 165,140.98		1,096,651.65 1,096,460.83	1,261,792.64 1,261,601.81
District	330,281.97		2,193,112.48	2,523,394.45

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS AND EQUIPMENT FIXED ASSETS—December 31, 1951

		In se	ervice	
Property	Under construction	Non- depreciable	Depreciable	Total
Administrative Buildings Toronto—University Ave —210 Bloor St. W	\$ 367,098.49367,098.49	42,000.00	\$ 4,068,771.14 259,188.51 4,327,959.65	\$ 4,898,431.17 301,188.51 5,199,619.68
Service Buildings and Equipment Buildings Toronto—Strachan Avenue. —1379 Bloor St. W. A. W. Manby Service Centre Cobourg. Hamilton. Equipment Toronto. Regions. Office equipment Toronto. Regions.	534,083.95	154,855.72	4,879.24 550,000.00 1,499,746.72 370,319.88 968,303.54 710,683.11	192,491.78 50,000.00 7,198,951.25 4,879.24 550,000.00 1,499,746.72 370,319.88 968,303.54 710,683.11
m . 1	534,083.95			11,545,375.52
Total	901,182.44	659,417.26	15,184,395.50	16,744,995.20

THE HYDRO-ELECTRIC POWER STATEMENT SHOWING CHANGES IN FIXED ASSETS—

STATEMENT SHO		IN FIXED ASSETS—
Property	Balance at beginning of year	Expenditures during year
SOUTHERN ONTARIO SYSTEM		\$
GENERATING STATIONS Niagara Division Niagara River	Ψ	Ψ
Sir Adam Beck—Niagara No. 1. Sir Adam Beck—Niagara No. 2. Ontario Power Toronto Power Niagara Weir	76,635,687.91 859,370.68 21,721,181.31 11,455,267.86 416,326.62	1,614.27 29,780,336.39 64,510.18 530.84
Welland Canal DeCew Falls	26,457,503.51	74,072.66
Ottawa River Otto Holden Des Joachims Chenaux Chats Falls Ogoki Diversion Diesel generation	25,060,931,10 70,273,363,36 24,103,880,02 7,359,235,81 5,041,199,75 217,679,70	21,444,933.97 2,614,868.72 4,583,927.72 73,652.20 48.74 13,755.00
Steam generating stations Richard L. Hearn, Toronto J. Clark Keith, Windsor. Auxiliaries Other properties	9,846,854.42 10,558,613.11 6,419,336.35 1,689,677.28	19,699,388.17 14,253,383.55 111,318.02 3,624.20
Georgian Bay Division Muskoka River Ragged Rapids Big Eddy South Muskoka River	1,328,010.85 1,288,653.13	310.92 974.37
Trethewey FallsSouth Falls	357,154.92 583,134.01	108.97 1,021.54
Beaver River Eugenia Severn River	1,312,705.23	582.23
Big Chute Other properties	749,197.69 1,126,218.31	21,906.75 7,652.34
Eastern Ontario Division Trent River		
Heely Falls Seymour Ranney Falls Hagues Reach	1,219,147.31 316,546.01 1,435,381.15 572,466.30	4,307.25 8,191.98
Meyersburg Sills Island Otonabee River	837,609.06 321,376.19	29.04 125.04
Auburn	333,574.05	
Barrett Chute. Calabogie. Stewartville. Bark Lake Dam. Mississippi River	4,708,589.29 759,753.22 11,454,014.19 1,410,354.54	509.54 58,222.65 3,490.03
High Falls Intangible and undeveloped sites Other properties	723,143.74 3,247,278.39 1,262,600.13	2,304.46 30,045.62
	333,463,016.50	92,711,602.04

[†] See Summary on page 297.

COMMISSION OF ONTARIO

During Year Ended December 31, 1951

Adjustment	Retire	ments	
for equipment relocated and reclassified	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies	Balance at end of year
\$	\$	\$	\$
208.00 491,017.79		26,185.00	76,637,510.18 31,130,724.86 21,759,506.49 11,455,798.70
12,156.06	6,352.50	16,953.60	416,326.62 26,347,968.69
250,937.29		†25,959.00	46,505,865.07 72,888,232.08 28,687,807.74 7,432,888.01 5,041,248.49 456,412.99
250,551.25	8,332.73	†334,424.00	29,546,242.59 24,811,996.66 6,196,230.37 1,684,968.75
	.,		1,328,321.77 1,289,627.50
	000.00	272.02	357,263.89 584,155.55
17,975.00		3,011.62	1,312,154.46 771,104.44 1,112,709.03
			1,223,454.56 324,737.99 1,435,381.15 572,466.30 837,638.10 321,501.23
			333,574.05
10,034 00		. 80.00	4,709,018.83 759,753.22 11,502,202.84 1,413,844.57
6,143.45	340.38	1,142.47	723,143.74 3,249,582.85 1,285,019.45
695,854.57	16,061.59	408,027.71	426,446,383.81

THE HYDRO-ELECTRIC POWER

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at beginning of year	Expenditures during year
SOUTHERN ONTARIO SYSTEM—(Continued)	\$	\$
RANGSORMER STATIONS Niagara Division Georgian Bay Division Castern Ontario Division	104,090,515.49 4,383,010.32 10,814,283.72	20,482,344.44 601,900.64 2,258,356.71
	119,287,809.53	23,342,601.79
CRANSMISSION LINES Niagara Division. Georgian Bay Division. Castern Ontario Division.	89,788,729.24 4,593,643.97 15,198,870.18	12,871,183.84 974,607.88 1,322,591.37
	109,581,243.39	15,168,383.09
COMMUNICATIONS All divisions	6,248,273.60	1,719,823.69
OCAL SYSTEMS Viagara Division. Veorgian Bay Division.	88,308.10 170,309.64	2,841.64 22,609.81
1,1	258,617.74	25,451.45
Sub-total	568,838,960.76	132,967,862.06
URAL POWER DISTRICT I-E.P.C. investmentsovernment grants	48,088,495.17 47,254,308.22	9,147,558.96 8,920,864.52
	95,342,803.39	18,068,423.48
Total—Southern Ontario System	664,181,764.15	151,036,285.54
CHUNDER BAY SYSTEM Generating Stations Cransformer Stations Cransmission Lines Cocal System. Communications	61,922,467.62 1,934,228.52 7,014,791.24 129,181.52 284,026.64	366,306.13 114,946.87 345,064.67 15,407.46 38,443.19
Sub-total	71,284,695.54	880,168.32
URAL POWER DISTRICT -E.P.C. investmentsovernment grants	968,833.33 968,705.51	297,015.55 296,952.54
	1,937,538.84	593,968.09
Total—Thunder Bay System	73,222,234.38	1,474,136.41

COMMISSION OF ONTARIO

During Year Ended December 31, 1951

Adjustment	Retiren			
for equipment relocated and reclassified	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies	Balance at end of year	
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	\$	
		520,976 18 68,798 30 54,702 60	123,693,260.99 4,999,919.86 12,937,178.04	
232,165.34	123,410.01	644,477.08	141,630,358.89	
2,305,452.96 44,189.84 2,436,047.45	106,310.23 9,855.05 10,642.49	220,771.05 49,560.50 186,115.03	104,638,284 .76 5,553,026 .14 13,888,656 .58	
86,494.65	126,807.77	456,446.58	124,079,967.48	
9,107.63	2,285.59	78,286.06	7,896,633.27	
			90,790.24 182,323.69	
	8,431.07	2,524.19	273,113.93	
386,392.21	276,996.03	1,589,761.62	700,326,457.38	
50,760.95 50,760.95	681,409.53 681,409.54	462,477 .59 462,477 .58	56,142,927.96 55,082,046.57	
101,521.90	1,362,819.07	924,955 . 17	111,224,974.53	
487,914.11	1,639,815.10	2,514,716.79	811,551,431.91	
370,162.58 7,313.89 183.60 970.20		3,321.26 32,171.50 6,413.25 925.86 4,452.97	61,915,289.91 2,009,690.00 7,352,656.06 143,663.12 317,833.26	
370,162.58	8,284.09	47,284.84	71,739,132.35	
	3,694.08 3,694.08	362 . 16 362 . 16	1,261,792.64 1,261,601.81	
	7,388.16	724.32	2,523,394.45	
370,162.58	15,672.25	48,009.16	74,262,526.80	

THE HYDRO-ELECTRIC POWER

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at beginning of year	Expenditures during year
ADMINISTRATIVE BUILDINGS AND SER- VICE BUILDINGS AND EQUIPMENT	\$	\$
ADMINISTRATIVE BUILDINGS Toronto—University Avenue	4,638,995.65 299,264.63	290,323.72 1,923.88
	4,938,260.28	292,247.60
Service Buildings Buildings Toronto—Strachan Avenue. —1379 Bloor Street West. A. W. Manby Service Centre. Other properties. Equipment Toronto. Regions. Office equipment Toronto. Regions.	192,491.78 50,000.00 6,008,270.30 663.123.06 1,254,979.27 242,557.91 806,253.89 561,771.88	1,237,782 67 9,562 71 244,767 45 127,761 97 163,994 82 149,819 92 1,933,689 54
Total—Administrative Buildings and Service Buildings and Equipment	14,717,708.37	2,225,937.14
Total	752,121,706.90	154,736,359.09
Less grants in aid of construction Province of Ontario for Rural Power Districts	48,223,013.73	8,120,634.65
	703,898,693.17	146,615,724 . 44

COMMISSION OF ONTARIO

During Year Ended December 31, 1951

Adjustment	Retire	ements		
for equipment relocated and reclassified	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies	Balance at end of year	
\$	\$	\$	\$	
40.00		*30,928.20	4,898,431.17 301,188.51	
40.00		30,928.20	5,199,619.68	
15.00 117,806.53		*47,116.72	192,491.78 50,000.00 7,198,951.25 554,879.24 1,499,746.72	
		1,945.17 908.69	370,319.88 968,303.54 710,683.11	
117,791.53		49,970.58	11,545,375.52	
117,751.53		80,898.78	16,744,995.20	
	1,655,487.35	2,643,624.73	902,558,953.91	
			56,343,648.38	
	1,655,487.35	2,643,624.73	846,215,305.53	

Summary of retirements charged to reserves for depreciation and contingencies

Depreciation	\$1,223,303.81 981,893.00
Contingencies	360,383.00
-* Amortization of temporary buildings	78,044.92
Total	\$2,643,624.73

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

DEPRECIATION RESERVES—December 31, 1951

	Southern Ontario System	Ontario Bay buildings		Totals
Balances at January 1, 1951	\$ 88,889,647.86	\$ 6,826,133.71	\$ 1,437,556.13	\$ 97,153,337.70
Interest at 4% per annum on reserve balances Provision in the year—	3,555,585.92	273,045.57	26,411.55	3,855,043.04
—direct —indirect —	5,961,434.04 2,894.40			6,553,521.02 409,437.54
Sub-total Deduct:	98,409,562.22	7,691,301.70	1,870,475.38	107,971,339.30
Amount withdrawn for re- newals	27,430.04	5,914.90		21,515.14
retired—current year —prior years	1,197,007.75	23,442.20	2,853.86 26,383.15	1,223,303.81 26,383.15
Excess depreciation accumu- lated on assets retired— transferred to con-	104.155.54			104.155.74
tingency reserve. Adjustments and with- drawals re transfer of	184,155.74	• • • • • • • • • • • • • • • • • • • •		184,155.74
equipment (net)	252,406.89	554.13	12,933.03	264,785.79
Balances at December 31, 1951	96,748,561.80	7,674,328.53	1,828,305.34	106,251,195.67

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO SYSTEM

FREQUENCY STANDARDIZATION RESERVE—December 31, 1951

Balance at January 1, 1951. Add: Prior year adjustment of expenditures for frequency standardization. Interest at 4% per annum on monthly balance. Provision in the year. Industrial customers' contributions.	58,652.73 208,202.67
Less expenditures for frequency standardization	50,822,370.58 34,976,305.00
Balance at December 31, 1951	15,846,065.58

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS EXCHANGE PREMIUM RECEIVED ON FUNDED DEBT—December 31, 1951

Exchange premium received on funded debt issued in United State Received during 1951:	es funds	
3¼ % May 15, 1951 issue	\$3,053,419.35	
Less: Portion applicable to Northern Ontario Properties 3¼% September 1, 1951 issue	183,205.16	\$2,870,214.19 2,201,074.47
374 % September 1, 1951 issue	-	\$5.071,288.66
Received in 1943 on 3% January 1, 1943 issue previously carried in the reserves for contingencies and obsolescence.		486,250.00
Balance at December 31, 1951	-	\$5,557,538.66

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

CONTINGENCIES AND OBSOLESCENCE RESERVES—December 31, 1951

	Southern Ontario System	Thunder Bay System	Totals
Balances at January 1, 1951	\$ 30,473,159.03	\$ 7,370,428.85	\$ 37,843,587.88
Add: Interest at 4% per annum on reserve balances. Provision in the year—direct. —indirect. Excess depreciation accumulated on as-	1,215,596.77 7,243,448.57 2,894.41		
sets retired—transferred from de- preciation reserve Adjustments re transfer of equipment, etc.	184,155.74 22,815.33		184,155.74 28,198.25
Sub-total	39,142,069.85	7,960,666.66	47,102,736.51
Deduct: Contingencies met with during year Excess of cost of fixed assets retired over accumulated depreciation—	564,945.62	45,446.32	519,499.30
—current year—prior years	957,326.04 113,506.36		981,893.00 115,256.60
Amortization of auxiliary generating equipment Loss on sale of power to companies Premium received on 1943 bond issue	360,383.00	423,850.54	360,383.00 423,850.54
transferred to reserve for exchange premium on funded debt	486,250.00		486,250.00
Palances at December 31, 1951	36,659,658.83	7,555,945.24	44,215,604.07

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS STABILIZATION OF RATES RESERVES—December 31, 1951

	Southern Ontario	Thund	Total	
1	System	System	Mining area	Total
Balances at January 1, 1951 Interest at 4% on reserve	\$ 22,618,373.90		\$ 650,955.65 26,038.23	,,
balances Provision in the year	904,734.96 1,480,283.70		37,402.64	953,155.99 1,517,686.34
Balances at December 31, 1951	25,003,392.56	581,952.82	714,396.52	26,299,741.90

The above amount of \$25,003,392.56 includes special accounts of \$1,892,941.07,\$771,616.65, and \$2,008,102.11 pertaining to municipalities of the Niagara, Georgian Bay, and Eastern Ontario Divisions respectively.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS RURAL POWER DISTRICTS—RATES SUSPENSE ACCOUNT—December 31, 1951

-	Southern Ontario	Thunder Bay	Total
		\$	
Balances at credit or <i>debit</i> January 1, 1951	2.527.345.82	143,476.61	2,383,869.21
Interest at 4% on monthly balances Excess or <i>deficiency</i> of revenue from sale of power for the year ended December 31,	120,607.50	6,471.43	114,136.07
1951	65,092.59	58,397 .43	6,695.16
ficits for the years 1930-1933			228,979.14
Balances at credit or <i>debit</i> December 31, 1951.	2,484,066.77	208,345.47	2,275,721.30

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS SINKING FUND RESERVES—December 31, 1951

`	Southern Ontario System	Thunder Bay System	Administrative and service buildings and equipment	Total .
Balances at January 1, 1951 Interest at 4% per annum on reserve balances Provision in the year—direct—indirect	4,787,866.54 6,010,223.96	286,084.66 753,184.92	54,531.35	5,128,482.55 6,763,408.88
Balances at December 31, 1951	130,497,800.99	8,191,404.31	1,531,730.29	140,220,935.59

SOUTHERN ONTARIO SYSTEM

and

THUNDER BAY SYSTEM

Cost of Power, Amount Billed at Interim Rates, and Balance Credited or Charged to Municipalities for the year ended

December 31, 1951

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Power and ener supplied during						
	Interim rate per kilowatt	Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission	
_		kw	'000 kwh	based on energy	based on peak load		
				s	\$	\$	
Acton	38.60	2,501.0	10,382.4	11,760.40	31,228.02	11,149.28	
Agincourt	38.20	582.8	3,104.8	3,516.88	7,276.97	2,598.08	
Ailsa Craig	45.10	192.1	695.6	787.92	2,398.60	856.37	
Alexandria	42.70	585.5	2,610.9	2,957.43	7,310.68	817.75	
Alliston	40.80	807.3	3,722.2	4,216.23	10,080.12	2,283.05	
Almonte	36.60	614.7	1,288.5	1,459.52	7,675.28	858.53	
Alvinston	52.20	163.3	592.9	671.59	2,039.00	727.98	
Amherstburg	44.40	1,573.8	8,201.6	9,290.16	19,650.80	.7,015.89	
Ancaster Twp	37.40	683.8	3,391.2	3,841.30	8,538.08	3,048.33	
Apple Hill	43.50	54.3	201.0	227.68	678.00	75.84	
Arkona	52.20	143.7	509.8	577.46	1,794.27	640.60	
Arnprior	37.20	2,007.4	8,526.6	9,658.29	25,064.83	2,803.68	
Arthur	48.10	324.0	1,406.0	1,592.61	4,045.54	1,383.45	
Athens	41.10	152.6	657.6	744.88	1,905.40	213.13	
Aurora	39.50	1,837.7	9,760.8	11,056.30	22,945.91	8,192.34	
Aylmer	39.50	1,665.6	8,277.8	9,376.47	20,797.04	7,425.13	
Ayr	39.60	363.0	1,335.2	1,512.41	4,532.49	1,618.23	
Baden	36.90	600.0	2,083.6	2,360.15	7,491.72	2,674.76	
Bancroft	52 20	68.7	240.8	272.76	857.79	95.95	
Barrie	32.10	6,473.5	33,016.3	37,398.38	80,829.52	18,307.13	
Barry's Bay	52.20	102.6	421.2	477.10	1,281.09	143.30	
Bath	44.60	100.2	377.0	427.04	1,251.12	139.95	
Beachville	38.50	903.3	5,086.4	5,761.49	11,278.79	4,026.85	
Beamsville	36.00	743.5	3,705.6	4,197.43	9,283.50	3,314.47	
Beaverton	40.20	420.4	1,780.4	2,016.70	5,249.21	1,188.90	
Beeton	49.7C	178.3	727.8	824.40	2,226.29	504.23	
Belle River	45.30	370.5	1,657.1	1,877.04	4,626.14	1,651.66	
Belleville	34.30	10,416.3	55,321.3	62,663.81	130,060.14	14,548.1	
Blenheim	43.10	817.0	3,924.8	4,445.72	10,201.24	3,642.13	
Bloomfield	45.20	204.3	827.0	936.76	2,550.93	285.34	
Blyth	46.40	332.3	1,422.0	1,610.73	4,149 17	1,481.37	
Bobcaygeon	47.70	306.2	1,234.8	1,398.69	3,727.41	427.66	
Bolton	41.50	325.2	1,512.6	1,713.36	4,060.52	1,449.72	
BothwellBowmanville	49.20 38.80	201.1 3,787.0	899.0 18,121.4	1,018.32 20,526.54	2,510.98 47,285.29	896.49 5,289.19	
Bradford	41.50	00210	3,308.2	3,747.28	8,553.06		
Braeside	36.30		584.8	662.42	2,871.83	321.23	
Brampton	34.80		21,090.0	23,889.17	57,490.28	20,525.64	
Brantford	34.10		124,243.6	140,733.80	309,339.69	110,442.97	
Brantford Twp	34.80	3,711.4	17,741.6	20,096.35	46,341.33	16,545.16	

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

xed charges	Special provisions			Share of surplus	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
Divisional costs, in-				resulting from sales to other			
formation, transmission, and distribution	Frequency standard- ization	Stabil- ization of rates	Special contingencies	customers			
\$	\$	\$	\$	\$	\$	\$	\$
25,393.90	8,753.50		3,403.71	867.87	90,820.94	96,538.92	5,717.98
4,258.11	2,039.80		793.16	202.24	20,280.76	22,262.97	1,982.2
3,397.76	672.35		261.44	66.66	8,307.78	8,664.45	356.6
8,309.55		2,049.25	796.83	203.17	22,038.32	24,998.70	2,960.3
10,669.56		2,825.55	1,098.68	280.14	30,893.05	32,939.54	2,046.49
6,192.86		2,151.45	836.57	213.31	18,960.90	22,499.22	3,538.3
3,320.21	571.55		222.24	56.67	7,495.90	8,526.43	1,030.5
24,207.12	5,508.30		2,141.85	546.12	67,268.00	69,877.83	2,609.8
5,262.75	2,393.30		930.61	237.28	23,777.09	25,575.67	1,798.5
797.01		190.05	73.90	18.84	2,023.64	2,362.41	338.7
2,226.44	502.95		195.57	49.87	5,887.42	7,502.86	1,615.4
26,534.90		7,025.90	2,731.95	696.59	73,122.96	74,676.52	1,553.5
3,521.84		1,134.00	440.94	112.43	12,005.95	15,583.58	3,577.6
1,852.48		534.10	207.68	52.95	5,404.72	6,269.80	865.0
12,600.94	6,431.95		2,501.00	637.70	63,090.74	72,587.81	9,497.0
19,794.66			2,266.78	577.98	64,911.70	65,793.50	881.8
3,890.29	1,270.50		494.02	125.96	13,191.98	14,375.79	1,183.8
5,566.25	2,100.00		816.56	208.21	20,801.23	22,138.78	1,337.5
2,048.19 42,845.93		240.45 22,657.25	93.50 8,810.04	23.83 2,246.37	3,584.81 208,601.88	3,584.81 207,800.40	801.4
1,972.69		359.10	139.63	35.60	4,337.31	5,356.57	1,019.2
1,208.54		350.70	136.37	34.77	3,478.95		988.8
9,088.00	3,161.55		1,229.34	313.45	34,232.57	34,776.73	544.1
6,200.47	2,602.25		1,011.86	258.00	26,351.98		413.4
6,105.54		1,471.40	572.14	145.88	16,458.01	16,901.04	443.0
3,348.88		624.05	242.66	61.87	7,708.64		1,155.7
6,082.88	1,296.75		504.23	128.57	15,910.13		872.0
102,798.88		36,457.05	14,175.96	3,614.56	357,089.43		189.0
10,312.39	2,859.50		1,111.89	283.51	32,289.36		2,924.4
3,213.03		715.05	278.04	70.89	7,908.26	9,235.86	1,327.6
4,156.57	1,163.05		452.24	115.31	12,897.82	15,420.26	2,522.4
3,839.16		1,071.70	416.72	106.25	10,775.09	14,603.34	3,828.2
3,592.78	1,138.20		442.58	112.85	12,284.31	13,493.71	1,209.4
4,664.01	703.85		273.69	69.78	9,997.56	9,892.89	104.6
39,436.08		13,254.50	5,153.88	1,314.12	129,631.36	146,935.26	17,303.9
7,728.75		2,397.50	932.24	237.70	25,058.32		3,370.8
2,981.26		805.00	313.02	79.81	7,874.95		473.4
34,031.06	16,115.05		6,266.18	1,597.73			3,508.2
150,214.84	86,710.75		33,716.60	8,596.97	822,561.68		22,248.7
20,926.83	12,989.90		5,050.99	1,287.89	120,662.67	129,157.59	8,494.9

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and			
Municipality		Average of monthly peak loads corrected	Energy	Power supply		Bulk	
		for power factor kw		based on energy	based on peak load	transmission	
	\$			\$	\$	\$	
Brechin	45.20	71.1	241.0	272.99	887.77	201.07	
Bridgeport	38.20	341.7	1,470.0	1,665.11	4,266.53	1,523.27	
Brigden	45.20	147.2	507.2	574.52	1,837.97	656.21	
Brighton	40.60	696.0	3,364.4	3,810.94	8,690.41	972.08	
Brockville	37.80	7,995.1	37,704.6	42,708.94	99,828.52	11,166.52	
Brussels	46.20	326.7	1,497.8	1,696.60	4,079.24	1,456.41	
Burford	37.60	423.1	1,626.0	1,841.81	5,282.92	1,886.15	
Burgessville	40.20	105.7	313.6	355.22	1,319.79	471.20	
Burks Falls	52.20	161.4	663.2	751.22	2,015.28		
Burlington	36.10	2,675.5	13,375.7	15,150.99	33,406.86		
Caledonia	37.30	515.8	2,394.4	2,712.20	6,440.39	2,299.40	
Campbellville	43.30	81.5	316.8	358.85	1,017.62		
Cannington	41.10	339.0	1,420.7	1,609.26	4,232.83		
Cardinal	40.30	506.6	1,960.6	2,220.82	6,325.51	707.55	
Carleton Place	36.30		9,995.0	11,321.59	28,263.79		
Cayuga	41.50	212.6	947.2	1,072.92	2,654.57	947.76	
Chatham	36.50		55,260.1	62,594.49	134,216.80		
Chatsworth	42.90		653.9	740.69	2,181.34		
Chesley	38.90		3,302.2	3,740.48	10,387.28		
Chesterville	38.90		2,600.1	2,945.20	7,740.20		
Chippawa	32.40	469.3	2,364.0	2,677.76	5,859.78	2,092.11	
Clifford	45.60		871.6	987.28	2,457.28		
Clinton	38.80		5,846.4	6,622.36	15,065.86		
Cobden	50.90		1,037.0	1,174.64	3,604.77		
Cobourg	41.00		17,461.5	19,779.08	45,645.85		
Colborne	43.30	396.6	1,984.8	2,248.23	4,952.03	553.92	
Coldwater	45.00		949.6	1,075.64	2,486.00		
Collingwood	37.40	1	14,747.8	16,705.20	43,402.08		
Comber	47.50	1	709.8	804.01	2,409.84		
Cookstown	42.90		567.2	642.48	1,845.46		
Cottam	45.00	134.5	537.7	609.07	1,679.39	599.59	
Courtright	47.60	1	353.7	400.64	1,038.85	1	
Creemore	39.90	1	914.4	1,035.76	2,652.07		
Dashwood	45.80		563.8	638.63	2,191.33		
Delaware	40.90		518.0	586.75	1,783.04		
Delhi	38.50	945.4	4,308.8	4,880.68	11,804.46	4,214.53	
Deseronto	45.80		2,192.8	2,483.84	5,563.86		
Dorchester	40.20		799.3	905.39	2,276.24	1	
Drayton	46.20		702.2	795.40	2,422.32		
	-5.20				8,988.82		

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

fixed charges				Share of			
Divisional	S	pecial provision	ns	surplus			
costs, in-				resulting	Total cost	Amount	Balance
cluding trans-				from sales	of power	billed at	credited or
formation,				to other	and energy	interim rates	charged
transmission,	Frequency	Stabil-	Carain1	customers			
and	standard-	ization	Special contingencies	1			
distribution	ization	of rates	Contingencies				
\$	\$	\$	\$	\$	\$	\$	\$
962.25		248.85	96.76	24.67	2,645.02		567.19
2,592.41	1,195.95		465.03	118.57	11,589.73	13,050.06	1,460.33
2,431.26	515.20		200.33	51.08	6,164.41	6,654.56	490.15
9,457.18		2,436.00	947.21	241.52	26,072.30	28,255.89	2,183.59
93,141.68		27,982.85	10,880.85	2,774.37	282,934.99	302,215.70	19,280.71
4,349.43			444.62	113.37	13,056.38	15,094.66	2,038.28
3,928.68	1,480.85		575.80	146.82	14,849.39		1,057.62
1,206.74	369.95		143.85	36.68	3,830.07	4,248.46	418.39
3,349.37		564.90	219.66	56.01	7,300.86		1,125.52
19,993.65	9,364.25		3,641.19	928.42	92,555.71	96,585.84	4,030.13
4,697.01	1,805.30		701.97	178.99	18,477.28	19,239.65	762.37
965.31	285.25		110.92	28.28	3,072.99	3,530.74	457.75
5,194.86		1,186.50	461.36	117.64	13,525.87	13,933.90	408.03
6,821.02		1,773.10	689.45	175.79	18,361.66		2,055.98
25,138.73		7,922.60	3,080.62	785.49	78,103.34	82,169.58	4,066.24
2,363.23	744.10		289.34	73.77	7,998.15		823.69
87,717.27	37,622.20		14,629.02	3,730.07	380,968.88		11,376.29
2,799.14		611.45	237.76	60.62	7,255.71	7,492.82	237.11
9,109.64		2,911.65	1,132.17	288.68	30,544.67	32,360.55	1,815.88
7,495.43		2,169.65	843.65	215.11	21,844.82	24,112.14	2,267.32
4,685.98	1,642.55		638.69	162.85	17,434 02	15,205.32	2,228.70
2,598.44	688.80		267.83	68.29	7,808.66	8,975.98	1,167.32
10,354.96	4,223.10		1,642.10	418.70			3,949.07
1,588.56		1,010.45	392.90	100.18	8,074.36		6,618.34
59,338.66		12,794.95	4,975.19	1,268.56	146,370.98	149,883.68	3,512.70
5,688.29		1,388.10	539.75	137.62	15,232.70	17,174.57	1,941.87
3,493.44		696.85	270.96	69.09			
40,486.60		12,166.00	4,730.63	1,206.20	126,114.48	130,003.33	3,888.85
3,306.73	675.50		262.66	66.97	8,252.15	9,169.09	916.94
2,595.65		517.30	201.15	51.29	6,168.73	6,339.19	170.46
1,902.62	470.75		183.05	46.67	5,397.80	6,050.21	652.41
1,106.98	291.20		113.23	28.87	3,292.93		669.37
2,820.99		743.40	289.06	73.70			406.16
2,869.11	614.25		238.84	60.90			765.79
1,802.81	499.80		194.34	49.55	5,453.78	5,840.86	387.08
8,428.43	3,308.90		1,286.63	328.06	33,595.57	36,397.90	2,802.33
9,083.36		1,559.60	606.43	154.63			
2,209.44			248.10	63.26			300.10
2,298.19			264.02	67.32			1,706.68
8,949.52	2,519.65		979.74	249.84	27,935.78	32,180.27	4,244.49

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and			
Municipality		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk	
-				based on energy	based on peak load	transmission	
	s	***	000 11.00		\$		
Drumbo	Ф 41.00	148.6	517.8	φ 586.52	1,855.45		
Dublin	47.80	83.4	432.3	489.68	1,041.35		
Dundalk	40.90	354.4	1,164.4	1,318.94	4,425.12		
Dundas	31.90	3,758.4	14,982.3	16,970.82	46,928.19		
Dunnville	36.80	1,816.5	8,158.8	9,241.68	22,681.21	8,097.83	
Dumivine	30.80	1,610.5	0,100.0	3,241.08	44,001.41	0,097.83	
Durham	40.80	615.0	2,911.3	3,297.70	7,679.02	2,625.99	
Dutton	44.60	243.6	1.038.4	1,176.22	3.041.64		
East York Twp	33.40	19,816.9	99,184.8	112,349.09	247,438.04	-,	
Elmira	36.10	1,979.0	9,520.6	10,784.22	24,710.21	8,822.24	
Elmvale	41 20	324.3	1,424.1	1,613.12	4,049.28		
Zami vale	41 20	024.0	1,424.1	1,010.12	4,043.20	317.12	
Elmwood	41.40	144.1	424.1	480.39	1,799.26	615.29	
Elora	38.90	684.6	2,567.4	2,908.16	8,548.06		
Embro	38.90	230.9	862.8	977.32	2,883.06		
Erieau	46.40	234.7	1,004.0	1,137.26	2,930.51	1,046.28	
Erie Beach	48.00	29.2	96.6	109.42	364.60		
Erin	50.90	178.8	674.7	764.25	2,232.53	763.46	
Essex	43.90	874.5	4,293.4	4,863.24	10,919.19	3,898.46	
Etobicoke Twp	35.30	24,204.7	130,525.9	147,849.93	302,225.04	107,902.84	
Exeter	40.90	1,210.9	5,434.0	6,155.23	15,119.56	5,398.11	
Fergus	35.80	2,067.9	8,406.1	9,521.80	25,820.24	9,218.55	
r: .	10.50	.50.5	207.0	511.04	1.981.56	221.65	
Finch	40.70 37.90	158.7 167.6	627.9 600.2	711.24 679.86	2,230.52	715.63	
Flesherton	36.10		2,326.0	2.634.72	6,057.06		
Forest	47.50	485.1 773.6	3,665.3	4,151.78	9,659.33		
Forest Uill	32.90	7,687.3	40,272.3	45,617.44	95,985.26		
Forest Hill	32.90	1,061.3	40,212.3	45,017.44	90,963.20	07,312.31	
Frankford	36.70	313.0	1,285.9	1,456.57	3,732.92	437.16	
Galt	33.00	14,085.5	57,970.7	65,664.85	175,874.55	62.792.16	
Georgetown	39.50	2,514.7	13,100.5	14,839.26	31,399.08	11,210.35	
Glencoe	48.90	277.9	1,260.9	1,428.25	3,469.92	1,238.86	
Goderich	42.20	2,315.6	11,491.5	13,016.71	28,913.07	10,322.78	
			- 1	3			
Grand Valley	48.20	271.1	1,096.8	1,242.37	3,385.01	1,157.57	
Granton	44.00	73.8	279.5	316.60	921.48		
Gravenhurst	35.60	1,584.7	8,126.6	9,205.20	19,786.90		
Grimsby	38.20	1,158.9	6,388.1	7,235.96	14,470.27	5,166.29	
Guelph	33.00	15,240.2	74,220.5	84,071.41	190,292.39	67,939.74	
Hagersville	36.60	1,194.4	4,255.6	4,820.42	14,913.53	5,324.55	
Hamilton	32.10	172,706.4	1,009,824.1	1,143,852.88	2,156,448.95	769,912.93	
Hanover	34.80	2,207.7	8,704.0	9,859.24	27,565.81	9,426.65	
Harriston	42.00	745.1	3,294.8	3,732.10	9,303.48	3,321.60	
Harrow	44.20	821.8	3,281.1	3,716.58	10,261.17	3,663.53	
**************************************	44.20	021.0	0,201.1	0,710.00	10,201.11	0,000.00	

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

fixed charges	×			0			
Divisional costs, in-	S	pecial provision	ns	Share of surplus resulting from sales	Total cost of power	Amount billed at	Balance credited or
cluding trans- formation,				to other customers	and energy	interim rates	charged
transmission, and	Frequency standard-	Stabil- ization	Special	customers		3	
distribution	ization	of rates	contingencies			1	
\$	\$	\$	\$	\$	\$	\$	\$
2,133.83	520.10		202.24	51.57	5,909.02		.185.27
1,039.41	291.90		113.50	28.94	3,318.69	3,988.08	669.39
4,591.60		1,240.40	482.32	122.98	13,448.65	14,493.57	1,044.92
14,867.33	13,154.40		5,114.96	1,304.20	112,486.18	119,894.27	7,408.09
17,533.66	6,357.75		2,472.15	630.34	65,753.94	66,847.21	1,093.27
6,185.33		2,152.50	836.98	213.44	22,564.08		2,528.26
4,311.16	852.60		331.52	84.53	10,714.56	10,866.05	151.49
78,933.46	69,359.15		26,969.61	6,876.64	616,515.05		45,370.50
15,309.17	6,926.50		2,693.30	686.73	68,558.91	71,441.58	2,882.67
5,695.91		1,135.05	441.35	112.53	13,739.30	13,361.50	377.80
2,196.78		504.35	196.11	50.00	5,742.18	5,966.42	224.24
7,513.28	2,396.10		931.70	237.56	25,111.64	26,633.18	1,521.54
2,429.10	808.15		314.24	80.12	8,361.09	8,980.05	618.96
3,509.73	821.45		319.41	81.44	9,683.20	10,892.01	1,208.81
480.41	102.20		39.74	10.13	1,216.41	1,400.00	183.59
2,550.34		625.80	243.34	62.05	7,117.67	9,099.22	1,981.55
12,883.39	3,060.75		1,190.14	303.46	36,511.71	38,391.65	1,879.94
135,723.01	84,716.45		32,941.14	8,399.24	802,959.17	854,426.76	51,467.59
14,801.76	4,238.15		1,647.96	420.19	46,940.58	49,524.78	2,584.20
17,095.44	7,237.65		2,814.29	717.58	70,990.39	74,031.70	3,041.31
1,808.19		555.45	215.98	55.07	5,439.00	6,459.09	1,020.09
932.11		586.60	228.09	58.16	5,314.65	6,352.65	1,038.00
3,308.43	1,697.85		660.19	168.33	16,352.46	17,510.28	1,157.82
12,945.96	2,707.60		1,052.82	268.45	33,697.69	36,747.97	3,050.28
29,500.50	26,905.55		10,461.95	2,667.56	243,115.45	252,913.52	9,798.07
1,992.88		1,095.50	425.97	108.61	9,032.39	11,487.09	2,454.70
60,064.34	49,299.25		19,169.52	4,887.79	427,976.88	464,819.85	36,842.97
24,397.05			3,422.36	872.62	93,196.93	99,331.63	6,134.70
3,694.69	972.65		378.21	96.43	11,086.15	13,591.36	2,505.21
29,701.65	8,104.60		3,151.39	803.53	92,406.67	97,717.27	5,310.60
5,547.96		948.85	368.95	94.07	12,556.64	13,064.59	507.95
931.86	258.30		100.44	25.61	2,832.07	3,246.85	414.78
14,208.20		5,546.45	2,156.68	549.90	54,835.08	56,413.55	1,578.47
11,804.68	4,056.15		1,577.19	402.15	43,908.39	44,268.07	359.68
64,553.05			20,741.00	5,288.48	475,649.81	502,925.50	27,275.69
9,926.61	4,180.40		1,625.51	414.47	40,376.55	43,713.80	3,337.25
622,958.47			235,043.04	59,930.62	5,472,758.05		71,117.86
17,866.83		7,726.95	3,004.55	766.09	74,683.94	76,829.41	2,145.47
7,999.19	2,607.85		1,014.04	258.56	27,719.70	31,292.45	3,572.75
12,202.17			1,118.42	285.17	33,553.00	36,321.71	2,768.71
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SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

		Power and energy supplied during year		Share of power purchased, operating costs, and			
Municipality	Interim rate per kilowatt	Average of monthly peak loads corrected for power	Energy	Power supply		Bulk transmission	
		factor kw	'000 kwh	based on energy	based on peak load	transmission	
	s			\$	\$		
Hastings	45.30	212.4	863.2	977.77	2,652.07	296 65	
Havelock	44.40	271.0	1,190.4	1,348.40	3,383.76	378.50	
Hensall	43.30	339.4	1,356.8	1,536.88	4,237.82	1.513.02	
Hespeler	34.50	3.573.0	17,065.8	19,330.86	44,613.24	15,928.18	
Highgate	46.90	123.4	412.2	466.91	1,540.80	550.11	
Holstein	48.50	40.0	159.6	180.78	499.44	170.80	
Humberstone	35.20	763.5	3,634.8	4,117.23	9,533.23	3,403.63	
Huntsville	40.10	1,830.9	9,641.6	10,921.28	22,861.01	5,177.81	
Ingersoll	36.10	3,877.7	17,052.6	19,315.90	48,417.79	17,286.51	
Iroquois	40.00	425.2	1,976.0	2,238.26	5,309.14	593.86	
Jarvis	42.80	199.1	965.0	1,093.08	2,486.00	887.57	
Kemptville	40.10	816.1	3,545.5	4.016.08	10.190.00	1.139.82	
Kincardine	42.90	1,169.9	5,511.8	6,243.35	14,607.63	4,995.35	
Kingston	32.80	20,835.5	106,664.5	120,821.53	260,156.49		
Kingsville	42.60	921.9	4,245.6	4.809.10	11,511.04		
Kirkfield	46.70	48.1	159.6	180.78	600.58		
Kitchener	33.70	34,199.3	167,445.1	189,669.23	427,019.75		
Lakefield	34.40	865.0	4,972.8	5,632.81	10,143.00		
Lambeth	40.40	370.2	1,630.4	1,846.79	4,622.40		
Lanark	47.40	150.4	586.6	664.46	1,877.93	210.06	
Lancaster	52.20	91.7	420.4	476.20	1,144.99	128.07	
La Salle	45.60	561.5	2,471.6	2,799.64	7,011.01	2,503.13	
Leamington	43.50	2,795.7	14,592.7	16,529.51	34,907.71	12,463.03	
Lindsay	40.00	4,638.5	22,166.6	25,108.66	57,917.29		
Listowei	40.00	1,845.2	8,038.4	9,105.30	23,039.56	8,225.77	
London	34.80	44,148.8	248,357.9	281,321.17	551,251.33	196,812.23	
London Twp	37.50	869.0	3,944.7	4,468.26	10,850.52		
Long Branch.	35.50	3,380.8	17,473.5	19,792.67	42,213.39		
Lucan	40.80	335.1	1,499.2	1.698.18	4.184.13	1	
Lucknow	44.90		2,114.8	2,395.49	5,627.53	1,924.44	
			200.4	COO 00	0.004.00	715 50	
Lynden	39.40	160.5	609.4	690.28	2,004.03 6,330.51	715.50 708.11	
Madoc	42.20	507.0	1,999.0	2,264.32	217.26		
Magnetawan	52.20	17.4	29.0	32.85 1,569.50	3,959.38		
Markdale Markham	39.00 38 80	317.1 628.3	1,385.6 2,651.0	3,002.85	7,845.08		
	30 80	02010	2,002.0				
Marmora	48.60	246.3	1,059.2	1,199.78	3,075.35	1	
Martintown	38.10	70.8	252.8	286.35	884.03		
Maxville	42.00	193.9	792.2	897.34	2,421.07		
Meaford	40.20	1,345.9	5,347.2	6,056.91	16,805.20	1	
Merlin	44.20	148.5	583.6	661.06	1.854.20	662.00	

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

	1					/	
			1				
fixed charges							
	S	pecial provision	ns	Share of			
Divisional				surplus resulting	Total cost	Amount	Balance
costs, in-				from sales	of power	billed at	credited or
cluding trans-		1		to other	and energy	interim rates	charged
formation,		Stabil-		customers			80
transmission,	Frequency standard-	ization	Special				
distribution	ization	of rates	contingencies				
	1000000	011000					
\$	\$	\$	\$	\$	\$	\$	\$
3,346.26		743.40	289.06	73.70	8,231.51	9,622.46	1,390.95
4,787.69	1 107 00	948.50	368.81 461.90	94.04	11,121.62	12,032.40	910.78
3,941.98 19,335.93	1,187.90 12,505.50		4,862.64	117.77 1,239.86	12,761.73 115,336.49	14,695.29 123,267.34	1,933.56 7,930.85
2,321.45	431.90		167.94	42.82	5,436.29	5,786.66	350.37
5,051.10			107.51	12.02	0,100.23	5,700.00	300.01
548.49		140.00	54.44	13.88	1,580.07	1,940.84	360.77
4,790.46	2,672.25		1,039.08	264.94	25,290.94	26,874.03	1,583.09
24,210.01		6,408.15	2,491.75	635.34	71,434.67	73,418.41	1,983.74
32,810.83 6,185.06	13,571.95	1 400 00	5,277.32	1,345.60	135,334.70	139,984.65	4,649.95
6,165.00		1,488.20	578.67	147.55	16,245.64	17,008.34	762.70
2,476.00	696.85		270.96	69.09	7,841.37	8,520.76	679.39
9,624.64		2,856.35	1,110.66	283.19	28,654.36	32,726.61	4,072.25
16,484.13		4,094.65	1,592.16	405.97	47,611.30	50,187.96	2,576.66
132,684.51		72,924.25	28,355.86	7,230.10	636,812.87	683,405.50	46,592.63
11,755.65	3,226.65		1,254.65	319.91	36,346.95	39,273.26	2,926.31
739.86		168.35	65.46	16.69	1,874.37	2,246.26	371.89
170,350.29	119,697.55		46,543.19	11,867.45	1,093,870.62	1,152,513.32	58,642.70
5,837.61	• • • • • • • • • • • • • • • • • • • •	3,027.50	1,177.21	300.16	26,726.09	29,756.58	3,030.49
3,808.79	1,295.70		503.82	128.46	13,599.37	14,955.41	1,356.04
1,903.21		526.40	204.69	52.19	5,334.56	7,127.75	1,793.19
1,308.40		320.95	124.80	31.82	3,471.59	4,788.04	1,316.45
9,268.58	1,965.25		764.17	194.85	24,116.93	25,604.02	1,487.09
34,005.70	9,784.95		3,804.78	970.13	110,525.55	121,613.67	11,088.12
65,464.90 21,482.41	6,458.20	16,234.75	6,312.72	1,609.60 640.30	175,907.18	185,540.00	9,632.82
21,402.41	0,456.20		2,511.21	640.30	70,182.15	73,806.68	3,624.53
261,600.72	154,520.80		60,083.87	15,320.02	1,490,270.10	1,536,379.11	46,109.01
8,643.44	3,041.50		1,182.66	301.55	31,758.77	32,589.03	830.26
18,436.06	11,832.80		4,601.07	1,173.17	110,774.19	120,018.98	9,244.79
4,387.81	1,172.85	1 500 45	456.05	116.28	13,276.59	13,673.78	397.19
6,071.79		1,577.45	613.38	156.40	18,053.68	20,237.53	2,183.85
1,838.75	561.75		218.43	55.69	5,973.05	6,323.70	350.65
7,742.94	,	1,774.50	690.00	175.93	19,334.45	21,393.61	2,059.16
400.00		60.90	23.68	6.04	777.86	910.45	132.59
3,838.48	2 100 05	1,109,85	431.55	110.04	12,152.70	12,368.51	215.81
6,632.49	2,199.05		855.08	218.03	23,117.44	24,379.01	1,261.57
4,426.05		862.05	335.20	85.47	10,156.96	11,971.36	1,814.40
933.46		247.80	96.35	24.57	2,522.30	2,696.19	173.89
2,818.22		678.65	263.89	67.28	7,282.70	8,143.10	860.40
15,441.97 2,233.37	519.75	4,710.65	1,831.69	467.04	50,126.23	54,105.84	3,979.61 483.49
4,233.37	519.75		202.10	51.53	6,080.95	6,564.44	483.49

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

- 8		Power and supplied du		power purc		re of ing costs, and
Municipality	Interim rate per kilowatt	Average of monthly peak loads corrected for power	Energy	Power supply		Bulk transmission
		factor	1000 1 1	based on energy	based on peak load	transmission
		kw	'000 kwh			
No market 191	\$	200	1 004 0	\$	\$ 0.001.51	\$
Merrickville	39.20	288.9	1,224.0	1,386.46	3,391.51	403.50
Merritton	31.00	10,565.4	60,869.4	68,948.28	131,921.84	47,099.81
Midland	34.60	4,764.5	22,438.2	25,416.31	59,490.56	13,474.06
Mildmay	42.90	244.3	1,065.3	1,206.69	3,050.39	1,043.14
Millbrook	46.20	207.0	891.4	1,009.71	2,584.65	289.11
Milton	35.80	2,041.4	8,605.1	9,747.21	25,489.36	
Milverton	40.90	621.8	2,081.6	2,357.88	7,763.93	
Mimico	33.00	3,964.7	19,829.1	22,460.91	49,504.09	
Mitchell	38.20	1,081.3	4.979.9	5,640.86	13,501.34	4,820.36
Moorefield	45.20	100.7	361.3	409.25	1,257.37	448.91
Morrisburg	40.70	652.0	3,307.3	3,746.26	8,141.01	910.63
Mount Brydges	43.90	164.0	683.2	773.88	2,047.74	731.10
Mount Forest	42.60	906.8	3,623.2	4,104.09	11,322.49	3,871.94
Napanee	39.70	1,974.0	9,211.5	10,434.10	24,647.79	2,757.03
Neustadt	40.50	119.4	469.0	531.25	1,490.85	509.83
Newboro	45.70	53.0	187.4	212.27	661.77	74.02
Newburgh	48.40	96.1	396.2	448.79	1,199.93	134.22
Newbury	49.60	76.0	313.8	355.45	948.95	338.80
Newcastle	41.00	409.5	1,615.6	1,830.03	5,113.10	571.94
New Hamburg	38.80	926.7	3,232.4	3,661.42	11,570 98	4,131.16
Newmarket	41.20	2,817.9	11,983.3	13,573,78	35,184.90	12,562.00
New Toronto	35.10	11,334.1	63,969.6	72,459.96	141,519.99	50,526.62
Niagara	31.80	1,082.0	5,851.1	6,627.69	13,793.67	4,823.48
Niagara Falls	29.10	12,354.0	64,599 9	73,173.91	136,067.10	
North York Twp	35.10	36,243.3	184,772.7	209,296.63	452,541.58	173,356.59
Norwich	38.80	634.9	2,727.2	3,089.17	7,927.50	2,830.34
Norwood	42.70	328 7	1,340.4	1,518.30	4,104.22	
Oakville	36.80	3,777.3	17,938.8	20,319.73	47,164.18	
Oil Springs	49.30	173.8	1,000.2	1,132.95	2,170.10	
Omemee	42.70	196.6	868.3	983.55	2,454.79	274.59
Orangeville	42.80	1,215.5	5,800.0	6,569.80	15,177.00	5,190.06
Orono	42.90	185.2	736.0	833.69	2,312.45	258.66
Oshawa	36.80	20,059.8	139,721.8	158,266.36	350,360.65	39,190.29
Ottawa	28.00	57,745.4	286,337.8	324,341.95	696,814.99	80,651.29
Otterville	41.50	190.5	839.0	950.36	2,378.62	849.24
Owen Sound	36.10	8,123.6	36,572.6	41,426.69	101,433.00	34,686.93
Paisley	44.00	246.8	1,016.0	1,150.85	3,081.60	
Palmerston	40.70	719.8	3,755.9	4,254.40	8,987.58	
Paris	34.30	2,307.8	10,575.2	11,978.79	28,815.69	10,288.01
Parkhitl	45.70	441.0	1.917.5	2,172.00	5,506.42	1,965.95

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

fixed charges Divisional	s	pecial provision	ns	Share of surplus	Tetal		
costs, in-				resulting	Total cost	Amount	Balance
cluding trans-				from sales	of power	billed at	credited or
formation,		1		to other	and energy	interim rates	charged
transmission,	Frequency	Stabil-	0	customers			
and	standard-	ization	Special				
distribution	ization	of rates	contingencies				
\$	\$	\$	\$	\$	\$	\$	\$
1,319.68		1,011.15	393.18	100.25	7,805.23	11,323.57	3,518.34
45,122.62	36,978.90		14,378.88	3,666.29	340,784.04	327,529.97	13,254.07
40,253.52		16,675.75	6,484.20	1,653.32	160,141.08	164,850.81	4,709.73
2,648.91		855.05	332.48	84.77	9,051.89	10,479.03	1,427.14
3,817.46		724.50	281.71	71.83	8,635.31	9,564.14	928.83
18,366.19			2,778.22	708.38	71,917.92	73,083.90	1,165.98
8,257.24			846.23	215.77	23,957.75	25,431.27	1,473.52
15,787.30			5,395.72	1,375.79	123,323.03	130,835.37	7,512.34
9,278.00			1,471.58	375.22	38,121.47	41,305.97	3,184.50
1,087.13	352.45		137.05	34.94	3,657.22	4,550.89	893.67
8,649.43		2,282.00	887.33	226.25	24,390.41	26,538.07	2,147.66
2,188.10	- 574.00		223.19	56.91	6,481.10	7,198.49	717.39
10,048.71		3,173.80	1,234.10	314.67	33,440.46	38,627.55	5,187.09
26,630.27		6,909.00	2,686.50	684.99	73,379.70	78,366.80	4,987.10
1,123.98		417.90	162.50	41.43	4,194.88	4,836.37	641.49
678.56		185.50	72.13	18.39	1,865.86	2,422.86	557.00
1,346.76		336.35	130.79	33.35	3,563.49	4,651.63	1,088.14
1,313.29			103.43	26.37	3,299.55	3,767.54	467.99
6,307.95		1,433.25	557.30	142.10	15,671.47	16,787.79	1,116.32
9,624.71	3,243.45	• • • • • • • • • • • • •	1,261.18	321.57	33,171.33	35,955.00	2,783.67
16,546.11	9,862.65		3,834.99	977.84	90,586.59	116,098.16	25,511.57
57,146.76	39,669.35		15,425.03	3,933.03	372,814.68	397,828.09	25,013.41
3,430.43	3,787.00		1,472.54	375.46	33,559.35	34,408.64	849.29
19,647.46	43,239.00		16,813.05	4,286.95	339,726.83	359,500.39	19,773.56
176,772.36	126,851.55	• • • • • • • • • • • • • • • • • • • •	49,324.96	12,576.74	1,175,566.93	1,272,140.41	96,573.48
7,268.62	2,222.15		864.06	220.32	23,981.52	24,632.18	650.66
5,387.41		1,150.45	447.34	114.06	12,952.75	14,035.47	1,082.72
33,710.64	13,220.55		5,140.68	1,310.76	135,083.96	139,006.18	3,922.22
3,106.21 2,853.17	608.30	688.10	236.53 267.56	60.31 68.22	7,968.57 7,453.54	8,570.38 8,396.59	601.81 943.05
		4,254.25	1,654.22	421.79 64.27	49,063.79	52,023.03 7,945.42	2,959.24
2,727.92 257,060.83		648.20 98,209.30	252.05	9,736.99	6,968.70 931,538.14	1,032,600.64	976.72 101,062.50
235,900.37		202,108.90	38,187.70 78,588.02	20,038.16	1,598,367.36	1,616,870.73	18,503.37
2,160.40	666.75	202,108.90	259.26	66.11	7,198.52	7,907.11	708.59
53,619.56		28,432.60	11,055.73	2,818.96	267,835.55	293,261.03	25,425.48
3,763.34		863.80	335.88	85.64	10,163.65	10,858.82	695.17
6,310.14	2,519.30	555.50	979.60	249.78	26,010.06	29,295.86	3,285.80
12,024.05	8,077.30		3,140.78	800.83	73,523.79	79,157.52	5,633.73
6,652.44	1,543.50		600.17	153.03	18,287.45	20,155.58	1,868.13

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

		Power an supplied de		power purc		re of ing costs, and
Municipality	Interim rate per kilowatt	Average of monthly peak loads corrected for power		Power supply		Bulk transmission
		factor	Energy	based on	based on	transmission
		kw	'000 kwh	energy	peak load	
	\$			\$	\$	\$
Parry Sound	42.20	708.7	2,309.7	2,616.25	8,848.98	2,004.21
Penetanguishene	36.30	1,479.0	6,811.2	7,715.22	18,467.10	4,182.63
Perth	35.50	2,339.6	9,560.0	10,828.85	29,212.75	3,267.65
Peterborough	32.80	22,122.6	114,049.4	129,186.59	276,227.50	30,897.98
Petrolia	47.50	1,105.2	6,016.9	6,815.49	13,799.76	4,926.90
Picton	38.80	2,054.8	9,680.5	10,965.34	25,656.67	2,869.88
Plattsville	42.10	283.2	972.2	1,101.24	3,536.10	1,262.49
Point Edward	45.50	2,210.4	8,380.0	9,492.23	27,599.53	9,853.81
Port Colborne	35.50	2,455.5	13,546.6	15,344.57	30,659.90	10,946.45
Port Credit	36.10	1,722.7	9,014.4	10,210.84	21,510.00	7,679.67
Port Dalhousie	34.80	1,102.4	6,379.2	7,225.88	13,764.80	4,914.42
Port Dover	40.00	807.5	3,872.8	4,386.82	10,082.62	3,599.78
Port Elgin	45.50	747.0	3,256.0	3,688.15	9,327.20	3,189.61
Port Hope	40.80	4,275.4	21,144.8	23,951.24	53,383.55	5,971.32
Port McNicoll	43.90	522.5	1,422.3	1,611.07	6,524.05	1,477.64
Port Perry	41.00	539.6	2,326.0	2,634.73	6,737.56	1,526.00
Port Rowan	46.20	170.1	680.0	770.25	2,123.91	758.29
Port Stanley	41.40	862.2	3,950.2	4,474.49	10,765.61	3,843.63
Prescott	38.70	1,538.2	6,470.4	7,329.18	19,206.29	2,148.36
Preston	32.60	5,078.8	18,190.7	20,605.06	63,414.98	22,640.93
Priceville	49.31	18.7	66.6	75.44	233.49	79.85
Princeton	43.70	162.4	633.2	717.24	2,027.77	723.97
Queenston	32.80	186.1	943.6	1,068.84	2,044.13	829.62
Renfrew	41.50	1,393.7	5,150.1	5,833.65	17,402.04	1,946.54
Richmond	43.60	167.4	651.6	738.08	2,090.19	233.80
Richmond Hill	37.40	967.0	4,675.2	5,295.72	12,074.17	4,310.82
Ridgetown	44.50	660.7	3,148.8	3,566.72	8,249.65	2,945.35
Ripley	49.50	151.1	580.4	657.43	1,886.67	645.18
Riverside	41.50	2,572.9	12,935.7	14,652.59	32,125.78	11,469.81
Rockwood	40.20	233.7	997.4	1,129.78	2,918.03	1,041.82
Rodney	47.50	221.0	1,019.6	1,154.93	2,759.45	985.20
Rosseau	45.70	53.2	186.3	211.03	664.26	150.45
Russell	49.40	127.2	498.5	564.66	1,588.25	177.66
St. Catharines	31.40	31,898.0	156,221.0	176,955.41	398,285.23	142,199.03
St. Clair Beach	43.60	159.8	757.8	858.38	1,995.30	712.38
St. George	39.30	226.0	992.0	1,123.66	2,821.89	1,007.49
St. Jacobs	36.10	358.7	1,285.1	1,455.66	4,478.81	1,599.06
St. Marys	36.70	2,127.9	10,178.4	11,529.33	26,569.42	9,486.03
St. Thomas	36.10	9,115.4	51,316.8	58,127.82	113,816.82	40,635.81
Sarnia	40.60	14,731.0	90,341.1	102,331.61	183,934.41	65,669.76
	13.50	11,102.0	,			

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

Divisional costs, in-	Special provisions			Share of surplus resulting from sales	Total cost	Amount billed at	Balance credited or
cluding trans-				to other	and energy	interim rates	charged
formation, transmission, and distribution	Frequency standard- ization	Stabil- ization of rates	Special contingencies	customers			
\$	\$	\$	\$	\$	\$	\$	\$
9,593.42		2,480.45	964.50	245.93		29,908.20	3,646.32
15,686.44		5,176.50	2,012.83	513.23		53,689.81	962.32
24,408.44		8,188.60	3,184.06	811.86		83,054.32	4,775.83
165,757.55		77,429.10	30,107.53	7,676.73		725,621.82	23,692.30
15,046.26	3,868.20		1,504.12	383.51	45,577.22	52,908.65	7,331.43
25,459.22		7,191.80	2,796.46	713.03		79,724.32	5,497.98
3,564.96			385.42	98.27		11,923.07	1,179.93
24,526.96			3,008.22	767.03		100,572.82	19,122.70
14,887.71	8,594.25		3,341.79	852.08		87,171.71	4,249.12
12,818.66	6,029.45		2,344.49	597.79	59,995.32	62,190.96	2,195.64
7,963.75	3,858.40		1,500.30	382.54	38,845.01	38,364.97	480.04
7,816.83			1,098.96	280.21	29,531.05	/	2,768.99
10,797.30		2,614.50	1,016.62	259.22			3,612.04
63,214.61		14,963.90	5,818.56	1,483.60			8,617.08
5,579.62		1,828.75	711.09	181.31		19,231.72	1,680.81
7,130.27		1,888.60	734.36	187.25	20,464.27	22,121.54	1,657.27
2,359.48			231.50	59.03			1,076.54
10,464.59			1,173.40				2,256.56
21,241.17		5,383.70	2,093.40	533.77	1		2,660.64
22,917.13			6,911.94	1,762.39			13,064.35
385.27		65.45	25.45	6.49	858.46	922.08	63.62
2,031.67			221.02				864.60
1,119.74			253.28		,	}	201.16
14,551.13		4,877.95					11,815.50
1,683.35		585.90					1,796.86
10.047.32	3.384.50		1,316.03	335.56	36,093.00	36,165.46	72.46
10,407.63	.,		899.17				1,247.20
2,287.01		528.85					1,322.33
32,078.58			3,501.56				4,833.29
2,974.09	817.95		318.05				275,42
4,032.86	773.50		300.77	76.69	9,930.02	10,499.47	569.45
766.57	1	186.20					396.51
1,349.67		445.20	1				2.028.83
132,728.70			43,411.26				_,
2,109.48			217.48				
2,416.33	701.00	 	307.58	78.42	2 8,389.5	8,881.80	492.27
3,191.05							
12,552.17							
55,013.35			12,405.51				
117,044.53			20,048.01				
	1,111.00	1	23,010.01	0,222.1	1 3.0	1 3,000.0.	23,000,21

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

		Power and supplied du		Share of power purchased, operating costs, and			
Municipality	Interim rate per kilowatt	Average of monthly peak loads corrected for power	Energy	Power supply		Bulk transmission	
		factor	'000 kwh	based on energy	based on peak load		
	\$			s	\$	s	
Scarborough Twp	36.10	16,669.9	81,390.3	92,192.82	208,143.93	74,313.24	
Seaforth	38.80	1,179.0	4,792.5	5,428.58	14,721.24	5,255.90	
Shelburne	44.40	490 9	2 ,0 87.0	2,364.00	6,129.48	2,096.09	
Simcoe	34.40	3,222.0	15,439.4	17,556.56	40,230.58	14,363.45	
Smiths Falls	33.60	4,187 5	18,550.5	21,012.61	52,286.02	5,848.56	
Smithville	37.20	397.5	1,383.9	1,567.58	4,963.27	1,772.03	
Southampton	44.90	755.6	3,361 0	3,807.09	9,434.58	3,226.33	
Springfield	43.90	117.7	473.8	536.69	1,469.63	524.70	
Stamford Twp	28.40	5,801.1	28,682.1	32,488.93	63,748.70	25,860.89	
Stayner	38.20	468.3	1,871.2	2,119.55	5,847.29	1,324.36	
Stirling	34.30	517.3	2,243.3	2,541.04	6,459.12	722.50	
Stoney Creek	34.90	746.7	3,790.1	4,293.14	9,323.46	3,328.74	
Stouffville	39.50	790.4	3,089.8	3,499.89	9,869.11	3,523.55	
Stratford	35.00	9,136.2	48,505.2	54,943.05	114,076.50	40,728.53	
Strathroy	40.10	1,931.1	9,437.9	10,690.54	24,112.12	8,608.71	
Streetsville	36.80	777.9	4,060.6	4,599.54	9,713.03	3,467.82	
Sunderland	41.50	226.3	827.6	937.44	2,825.63	639.98	
Sutton	42.50	541.6	2,299.4	2,604.59	6,762.53	2,414.41	
Swansea	36.70	3,559.2	19,163.1	21,706.52	44,440.93	16,259.76	
Tara	44.90	184.6	736.8	834.59	2,304.95	788.22	
Tavistock	38.00	746.5	3,126.1	3,541.01	9,320.95	3,327.84	
Tecumseh	42.90	721.2	3,655.8	4,141.02	9,005.06	3,215.06	
Teeswater	44.90	294.7	1,292.0	1,463.49	3,679.69	1,258.34	
Thamesford	40.20	337.8	1,323.4	1,499.05	4,217.85	1,505.89	
Thamesville	43.20	373.8	1,460.0	1,653.78	4,667.35	1,666.37	
Thedford	52.20	208.8	879.1	995.78	2,607.12	930.82	
Thornbury	46.20	250.7	762.3	863.48	3,130.29	1,070.46	
Thorndale	41.40	156.6	530.3	600.68	1,955.35	698.11	
Thornton	43.20 34.70	56.4 3,662.3	186.8 22,998.8	211.59 26,051.31	704.22 45,728.26	159.50 16,326.27	
Tilbury	42.70	1,119.8	4,847.9	5,491.34	13,982.07	4,991.99	
Tillsonburg	37.80	2,515.0	10,528.4	11,925.78	31,402.83	11,211.69 1,929,495.09	
Toronto	33.10 36.10	395,260.3 8,952.8	2,211,205.7 45,255.0	2,504,687.70 51,261.46	4,935,304.42 111,786.57	39,910.95	
Toronto Twp	52.20	204.9	45,255.0 855.0	968.48	2,558.42	579.46	
Trafalgar Twp	37.90	1,563.1	7,100.0	8.042.35	19,517.20	6,968.19	
Trenton	29.70	6,799.1	34,840.2	39,464.36	81,617.53	9,496.11	
Tweed	45.00	565.2	2,625.1	2,973.52	7,057.21	789.40	
	42.40	652.8	2,846.4	3,224.19	8,151.00	1.846.13	
Uxbridge Victoria Harbour	43.00	152.9	647.6	733.55	1,909.14	432.40	
Tietoria Harbour	40.00	102.3	0.77.0	700.00	1,500.14	1021.10	

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

	T					1 1	
fixed charges							
Divisional costs, in-	S	pecial provision	ns	Share of surplus resulting from sales	Total cost	Amount billed at	Balance credited or charged
formation, transmission, and distribution	Frequency standard- ization	Stabil- ization of rates	Special contingencies	to other customers	and energy	interim rates	
\$	\$	\$	\$	\$	\$	\$	\$
90,567.28	58,344.65		22,686.73	5,784.60	540,464.05	601,784.29	61,320.24
7,399.63	4,126.50		1,604.55	409.12	38,127.28	45,744.23	7,616.95
7,309.62		1,718.15	668.09	170.35	20,115.08	21,795.59	1,680.51
16,690.77	11,277.00		4,384.95	1,118.06	103,385.25	110,838.23	7,452.98
27,161.24		14,656.25	5,698.94	1,453.10	125,210.52	140,699.72	15,489.20
4,483.12	1,391.25		540.97	137.94	14,580.28	14,785.76	205.48
10,856.64		2,644.60	1,028.30	262.20		33,924.17	3,188.83
1,489.41	411.95		160.18	40.84	4,551.72	5,168.12	616.40
9,239.87	20,303.85	· · · · · · · · · · · · · · · · · · ·	7,894.95	2,013.03		164,751.94	7,227.78
5,861.69		1,639.05	637.33	162.50	17,266.77	17,890.33	623.56
5,079.88		1,810.55	704.02	179.51	17,137.60	17,741.68	604.08
4,685.97	2,613.45		1,016.21	259.11	25,001.86	26,059.51	1,057.65
7,843.29	2,766.40		1,075.69	274.28	28,303.65	31,218.82	2,915.17
49,924.98	31,976.70		12,433.82	3,170.34	300,913.24	319,765.82	18,852.58
13,247.30	6,758.85		2,628.11	670.11	65,375.52	77,438.45	12,062.93
5,351.81	2,722.65		1,058.68	269.93	26,643.60	28,624.88	1,981.28
2,928.45		792.05	307.98	78.53	8,353.00	9,390.38	1,037.38
6,455.90	1,895.60		737.09	187.94	20,682.18	23,019.41	2,337.23
21,323.44	12,457.20		4,843.86	1,235.07	119,796.64	130,624.15	10,827.51
3,283.20		646.10	251.23	64.06	8,044.23	8,288.90	244.67
7,550.47	2,612.75		1,015,94	259.04	27,109.92	28,366.36	1,256.44
9,355.17	2,524.20		981.51	250.26		30,937.32	1,965.56
5,487.03		1,031.45	401.07	102.26		13,232.00	13.19
5,014.03	1,182.30		459.73	117.22	13,761.63	13,578.88	182.75
6,655.09	1,308.30		508.72	129.70	16,329.91	16,149.60	180.31
3,496.26	- 730.80		284.16	72.46	8,972.48	10,901.51	1,929.03
3,865.16		877.45	341.19	87.00		11,583.08	1,522.05
1,757.76	548.10		213.12	54.34	5,718.78	6,484.24	765.46
563.50		197.40	76.76	19.57	1,893.40	2,437.56	544.16
13,788.41	12,818.05		4,984.17	1,270.85	118,425.62	127,080.08	8,654.46
17,452.03	3,919.30		1,523.98	388.58	46,972.13	47,815.46	843.33
14,980.32	8,802.50		3,422.76	872.73	80,873.15	95,067.30	14,194.15
1,337,017.32	1,383,411.05		537,925.54	137,158.76	12,490,682.36	13,083,114.23	592,431.87
56,255.30	31,334.80		12,184.22	3,106.70	299,626.60	323,195.15	23,568.55
2,911.06		717.15	278.86	71.10	7,942.33	10,697.94	2,755.61
13,960.96	5,470.85		2,127.29	542.40	55,544.44	59,240.52	3,696.08
33,142.73		23,796.85	9,253.17	2,359.35		201,931.75	7,520.35
9,369.77		1,978.20	769.20	196.13	22,741.17	25,434.72	2,693.55
8,832.91		2,284.80	888.42	226.53	25,000.92	27,679.77	2,678.85
3,049.31		535.15	208.09	53.06	6,814.58	6,573.98	240.60
				7			

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

		Power and supplied du		Share of power purchased, operating costs, and			
Municipality	Interim rate per kilowatt	Average of monthly peak loads corrected for power		Power supply		Bulk	
		factor	Energy	based on	based on	transmission	
		kw	'000 kwh	energy	peak load		
	\$			\$	\$	\$	
Walkerton	35.50	1,519.8	6,059.2	6,863.41	18,976.54	6,489.3	
Wallaceburg	39.50	6,786.7	37,276.0	42,223.45	84,740.19	30,254.6	
Wardsville	51.50	106.1	519.8	588.79	1,324.79	472.9	
Warkworth	45.80	155.4	552.8	626.17	1,940.35	217.0	
Waterdown	37.50	511.0	2,278.6	2,581.03	6,380.45	2,278.0	
Waterford	37.50	577.4	2,494.0	2,825.02	7,209.54	2,574.0	
Waterloo	33.40	7,820.4	35,315.6	40,002.86	97,647.18	34,862.7	
Watford	48.50	607.2	2,263.4	2,563.81	7,581.66	2,706.8	
Waubaushene	38.80	180.7	736.0	833.69	2,256.26	511.0	
Welland	31.40	11,290.5	58,191.8	65,915.30	140,975.59	50,332.2	
Weilesley	41.10	216.9	792.6	897.80	2,708.26	966.9	
Wellington	40.00	375.2	1,472.9	1,668.39	4,684.83	524.0	
West Lorne	43.50	618.8	2,143.9	2,428.45	7,726.47	2,758.5	
Weston	34.10	5,727.1	30,521.7	34,572.69	71,509.79	27,935.7	
Westport	45.30	200.5	776.8	879.90	2,503.49	280.0	
Wheatley	46.90	397.5	1,750.2	1,982.50	4,963.27	1,772.0	
Whitby	36.10	2,257.5	11,460.1	12,981.14	28,187.62	3,152.9	
Wiarton	46.70	601.7	3,272.8	3,707.18	7,512.95	2,569.2	
Williamsburg	43.20	143.8	586.6	664.46	1,795.51	200.8	
Winchester	40.40	614.3	2,440.4	2,764.30	7,670.28	857.9	
Windermere	45.10	86 8	314.4	356.13		245.4	
Windsor	37.70	58,954.6	292,697.3	331,545.51	736,119.72	262,815.4	
Wingham	42.60	1,259.2	5,661.4	6,412.81	15,722.67	5,376.6	
Woodbridge	35,00	1,449.4	7,136.3	8,083.46	18,097.52	7,070.6	
Woodstock	33.80	10,001.7	48,771.5	55,244.69	124,883.36	44,586.8	
Woodville	46.90	105.0	433.2	490.70	1,311.05	296.9	
Wyoming	45.50	175.9	602.5	682.47	2,196.35	784.1	
York Twp	32.90	31,125.9	166,644.9	188,762.82	388,644.62	151,378.3	
Zurich	49.10	219.5	778.8	882.17	2,740.76	978.5	
Ontario Central Reformatory.	36.10	298.9	1,374.0	1,556.36	3,732.13	1,332.4	
Total—Municipalities		1,470,653.6	7,707,577.5	8,730,564.77		6,076,695.1	
Total—Rural Power District		227,426.0	1,039,648.6	1,175,417.73	2,843,471.04	837,081.0	
Total—Companies		504,921.1	4,846,239.3	4,639,006.65		2,001,196.5	
Total—Local Distribution Sy	rstems	1,358.1	5,805.3	6,575.81	17,265.45	5,079.4	
Grand Total		2,204,358.8	12 500 970 7	14 551 564 06	27,423,150.91	0.000.050.1	

See Notes on following pages

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1951

						1	
Divisional costs, including trans-	S	pecial provisio	ns	Share of surplus resulting from sales to other	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
formation, transmission, and distribution	Frequency standard- ization	Stabil- ization of rates	Special contingencies	customers			ona, god
\$	\$	\$	\$	\$	\$	\$	\$
12,215.43		5,319.30	2,068.36	- 527.38	51,405.05	53,952.30	2,547.25
66,450.43	23,753 45		9,236.29	2,355.04	254,303.40	268,074.63	13,771.23
1,770.99	371.35		144.40	36.82	4,636.49	5,465.85	829.36
2,216.02		543.90	211.49	53.93	5,701.04	7,118.88	1,417.84
3,977.80			695.44	177.32	17,523.90	19,160.60	1,636.70
5,489.61	2.020.90		785.81	200.36	20,704.53	21,649.99	945.46
39,345.57			10,643.10	2,713.75	247,159.15	261,201.93	14,042.78
7,133.79			826.36	210.70	22,726.97	29,447.16	6,720.19
2,886.12	2,120.20	632.45	245.92	62.70	7,302.76	7,010.20	292.56
45,212.98			15,365.69	3,917.90	353,400.66	354,523.00	1,122.34
,	,			2,221111	,	,	-,
2,372.21	759.15		295.19	75.27	7,924.26	8,913.20	988.94
5,444.36		1,313.20	510.62	130.20	14,015.23	15,009.00	993.77
10,171.16	2,165.80		842.15	214.73	25,877.87	26,916.70	1,038.83
26,960.41	20,044.85		7,794.24	1,987.35	186,830.36	195,295.50	8,465.14
2,611.73		701.75	272.87	69.58	7,180.19	9,083.02	1,902.83
6,333.50	1,391.25		540.97	137.94	16,845.58	18,640.77	1,795.19
21,286.41		7,901.25	3,072.32	783.37	75,798.35	81,496.33	5,697.98
9,153.11		2,105.95	818.88	208.80	25,658.47	28,099.36	2,440.89
2,714.19		503.30	195.70	49.90	6.024.10	6,212.16	188.06
7,004.72		2,150.05	836.04	213.17	21,070.19	24,819.39	3,749.20
1,022.91		303.80	118.13	30.12	3,100.13	3,913.91	813.78
534,006.38	206,341.10		80,233.67	20,457.75	2,130,604.07	2,222,589.03	91,984.96
14,452.24		4,407.20	1,713.70	436.95	47,648.32	53,642.63	5,994.31
10,653.85	5,072.90		1,972.55	502.95	50,447.96	50,728.98	281.02
50,384.89	35,005.95		13,611.71	3,470.68	320,246.79	338,056.88	17,810.09
1,811.63		367.50	142.90	36.44	4,384.28	4,924.47	540.19
2,605.41	615.65	1	239.39	61.04	7,062.38	8,003.42	941.04
108,908.40	108,940.65		42,360.48	10,800.96	978,194.35	1,024,040.71	45,846.36
3,244.75	768.25		298.73	76.17	8,837.00	10,778.67	1,941.67
1,450.13			406.78	103.72	9,420.31	10,789.97	1,369.66
8,206,526.11	4,243,498.00	903,789.60	2,001,471.26	510,329.59	47,959,750.75	50.377.699.21	2,417,948.46
2,317,505.14	521,473.40		309,513.13	78,918.81	8,200,060.23	8,200.060.23	2,111,010111
2,225,920.07	2,565,878.61			571,121.35		19,244,824.08	
54,227.54	2,431.45		1,848.30	18,127.05	107,876.95	107,876.95	
12,804,178.86	7,333,281.46	1,480,283.70	3,000,000.00		75,512,512.01	77,930,460.47	2,417,948.46

THUNDER BAY

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the year ended

		Power and energy supplied during year		
Municipality	Interim rate per kilowatt	Average of monthly peak	Energy	
		loads corrected for power factor	000 kwh	
Fort William Nipigon Twp. Port Arthur Red Rock Imp. Dist. Schreiber Twp. Terrace Bay Imp. Dist.	32.10 31.50 32.10	591.6 26,798.9 352.3	146,269.4 3,030.4 130,345.1 1,585.2 2,098.4 4,163.2	
Total—Municipalites Total—Rural Power District Total—Companies Total—Rainy River District (N.O.P.) Total—Mining Area (Mines) Total—Mining Area (Townsites)	23.03	53,751.7 2,022.6 95,425.9 21,699.3 7,327.8 911.5	287,491.7 9,986.7 978,461.8 135,272.6 50,648.9 4,725.6	
Grand Total		181,138.8	1,466,587.3	

Notes on Cost of

SOUTHERN ONTARIO SYSTEM

1. The items shown above under the heading "Share of power purchased, operating costs, and fixed charges" total \$63,698,946.85 and consist of the following costs as shown in the statement of operations:

Cost of power purchased.

Operating, maintenance, and administrative expenses.

Interest.

Provision for depreciation.

Provision for contingencies and obsolescence (excluding special provision, \$3,000,000 see note 2 below).

Provision for sinking fund.

\$63,698,946.85

- 2. The special provision for contingencies consists of a charge for the amortization of emergency generating facilities at the rate of \$1.36 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System.
- 3. The special provision for frequency standardization was at the rate of \$3.50 per kilowatt on the average monthly peak load supplied to all customers in the Niagara Division amounting to \$6,234,972.10 plus the appropriation of the revenue from the export of surplus 60-cycle energy amounting to \$1,098,309.36. The latter amount is included in the companies' provision of \$2,565,878.61.
- 4. The special provision for stabilization of rates was at the rate of \$3.50 per kilowatt on the average monthly peak load supplied to all customers in the Georgian Bay and Eastern Ontario Divisions.

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

December 31, 1951

-		of power purch					
_	Power supply		Division costs, includ- ing trans- formation,	Provision for stabilization of rates		Amount billed at interim rates	Balance credited or charged
	based on energy	based on peak load	transmission, and distribution				0-1
	\$ 201,905.78 4,183.07 179,924.37 2,188.16 2,896.57 5,746.75	\$ 418,455.56 9,951.05 450,772.93 5,925.89 7,513.72 13,604.97	6,253.31 133,746.15 1,928.53 9,289.48		\$ 752,371.24 20,387.43 764,443.45 10,042.58 19,699.77 27,805.77	18,989.79 844,163.21 11,308.28	1,397.64 79,719.76 1,265.70 5,610.83
	396,844.70 13,785.33 965,424.33 186,726.14 69,914.17 6,523.07	906,224.12 34,123.26 1,605,652.75 364,994.72 123,257.82 15,331.97	36,428.94 301,419.38 57,903.38 77,829.18	331.86	84,337.53 2,872,496.46 609,624.24 270,669.31	2,448,645.92 609,624.24 270,669.31	*423,850.54
	1,639,217.74	3,049,584.64	806,959.08	37,402.64	5,533,164.10	5,212,263.75	320,900.35

^{*}Charged to Reserve for Contingencies and Obsolescence

Power Statements

THUNDER BAY SYSTEM

1. The items shown above under the heading "Share of power purchased, operating costs, and fixed charges" total \$5,495,761.46 and consist of the following costs as shown in the statement of operations:

or operations.	
Cost of power purchased	\$ 2.181.77
Operating, maintenance, and administrative expenses	1,318,413.10
Interest	2.543.336.06
Description for the description	571.040.51
Provision for depreciation	571,942.51
Provision for contingencies and obsolescence	317,309,83
Trovision for contingencies and obsolescence	317,303.63
Provision for sinking fund	742.578.19
Trovision for shiking fund	142,010.10

\$5,495,761.46

- 2. The loss on the sale of power to companies was charged to the reserve for contingencies and obsolescence.
- 3. The profits less losses on the sale of power in the mining areas were credited to the reserve for stabilization of rates.

GENERAL NOTE APPLICABLE TO BOTH SYSTEMS

A new method of costing the power supplied to each customer was adoped in 1951. Under the new method 65 per cent of the charges for "power supply" were apportioned to customers on the basis of the average monthly peak load and 35 per cent were apportioned on the basis of the kilowatt-hours of energy taken. (In 1950 and previously the corresponding costs were allocated solely on the basis of the average monthly peak loads). The new method also involves numerous changes from the method used previously in the allocation of bulk transmission and divisional costs including transformation, transmission, and distribution.

SINKING FUND PAYMENTS BY MUNICIPALITIES AND INTEREST ALLOWED THEREON

(including proportionate shares of sinking funds provided out of other revenues of the System)

		1	1	1	1
Municipality	Period of years to Dec. 31, 1951	Amount	Municipality .	Period of years to Dec. 31, 1951	Amount
Acton Agincourt Ailsa Craig Alexandria Alliston	34 28 31 27 28	29,410.52 31,553.26 63,611.56	Brechin Bridgeport Brigden Brighton Brockville	32 24 29 22 31	\$ 14,631.87 18,392.61 24,850.35 35,294.94 459,598.28
Almonte Alvinston Amherstburg Ancaster Twp Apple Hill	7 28 28 28 28 27	31,726.33 135,864.01 44,905.28	Brussels Burford Burgessville Burks Falls Burlington	28 31 30 2 7	30,913.56 33,038.01 11,855.61 945.23 40,385.63
Arkona Arnprior Arthur Athens Aurora	25 13 30 23 9	50,616.30 41,636.16 15,885.40	CaledoniaCampbellvilleCanningtonCardinalCarleton Place	34 27 32 22 27	51,903.55 6,908.92 33,898.58 20,920.05 185,117.70
Aylmer Ayr Baden Bancroft Barrie	28 32 34 2 33	35,078.40 71,041.34 1,626.10	Cayuga Chatham Chatsworth Chesley Chesterville	27 31 31 30 32	24,023.00 919,783.82 11,551.64 81,371.31 56,532.99
Barry's Bay Bath Beachville Beamsville Beaverton	2 20 34 15 32	6,210.21 93,742.27 25,001.85	Chippawa Clifford Clinton Cobden Cobourg	30 28 32 16 20	38,535.96 18,010.52 107,511.11 9,061.73 156,960.43
BeetonBelle River.Belleville.BlenheimBloomfield.	28 29 23 31 23	27,346.84 496,628.63 86,662.90	Colborne	19 33 33 31 28	16,071.94 29,951.18 309,156.40 37,269.19 12,783.89
Blyth Bobcaygeon Bolton Bothwell Bowmanville	28 6 31 31 20	4,639.23 38,480.63 35,079.62	Cottam	25 28 32 29 31	11,565.21 12,555.69 25,667.08 19,463.73 8,700.17
Bradford Braeside Brampton Brantford Brantford Twp.	28 7 35 32 28	4,204.93 388,221.35 2,180,371.86	Delhi	14 31 32 28 31	31,752.15 22,263.35 17,327.73 28,328.85 74,156.61

SINKING FUND PAYMENTS BY MUNICIPALITIES AND INTEREST ALLOWED THEREON

(including proportionate shares of sinking funds provided out of other revenues of the System)

Municipality	Period of years to Dec. 31, 1951	Amount	Municipality	Period of years to Dec. 31, 1951	Amount
Drumbo	32 29 31 35 29	11,936.20 29,612.17 323,213.79	Hastings Havelock Hensall Hespeler Highgate	21 23 30 35 30	\$ 11,557.62 27,143.62 38,093.78 285,339.77 20,003.38
Durham Dutton East York Twp. Elmira Elmvale	31 31 27 33 33	42,212.41 814,333.08 174,923.84	Holstein Humberstone Huntsville Ingersoll Iroquois	30 28 30 35 12	5,722.74 54,673.42 143,052.69 413,975.72 10,200.69
Elmwood Elora Embro Erieau Erie Beach	28 32 32 28 27	80,322.38 24,875.76 18,545.82	Jarvis	28 27 27 14 28	33,190.31 49,545.28 102,588.18 572,940.59 95,751.80
Erin Essex Etobicoke Twp. Exeter Fergus	2 28 29 30 32	77,547.45 748,725.31 101 911 87	Kirkfield Kitchener Lakefield Lambeth Lanark	27 35 23 31 27	6,859.00 3,026,362.26 36,318.74 22,758.81 15,094.61
Finch. Flesherton. Fonthill. Forest. Forest Hill.	24 31 26 29 28	14,043.19 19,192.93 81,888.54	Lancaster La Salle Leamington Lindsay Listowel	27 26 28 23 30	12,760.83 37,360.35 227,904.32 277,720.98 186,199.51
Frankford	3 35 33 28 32	1,263,721.16 247,575.70 44,925.89	London	35 27 21 31 27	5,288,108.02 55,434.87 103,007.83 38,908.40 48,396.86
Grand Valley	30 30 31 10 35	16,431.96 86,183.97 29,794.69	Lynden Madoc Magnetawan Markdale Markham	31 22 1 30 28	26,147.04 23,445.97 67.96 24,026.64 47,070.28
Hagersville Hamilton Hanover Harriston Harrow	35 30	12,482,375.10 181,928.57 77,987.52	Marmora Martintown Maxville Meaford Merlin	23 27 27 27 27 28	14,989.93 5,033.02 20,846.65 80,170.09 23,620.11

SINKING FUND PAYMENTS BY MUNICIPALITIES AND INTEREST ALLOWED THEREON

(including proportionate shares of sinking funds provided out of other revenues of the System)

Municipality	Period of years to Dec. 31, 1951	Amount	Municipality	Period of years to Dec. 31, 1951	Amount
Merrickville Merritton Midland Mildmay Millbrook	2 30 33 19 13	532,636.44 477,900.56 11,713.46	Parry Sound	4 35 27 23 30	\$ 6,248.01 138,956.07 167,417.74 946,750.71 208,964.62
Milton Milverton Mimico Mitchell Moorefield	33 30 34 35 28	86,561.26 322,406.38 102,302.49	Picton Plattsville Point Edward Port Colborne Port Credit	23 32 29 30 34	137,651.87 22,567.43 165,261.47 223,597.02 102,136.33
Morrisburg Mount Brydges Mount Forest Napanee Neustadt	14 31 31 22 28	16,839.82 77,839.03 113,123.85	Port Dalhousie Port Dover Port Elgin Port Hope Port McNicoll	30 28 21 22 32	90,024.54 64,776.19 41,754.94 186,290.69 15,058.67
Newboro Newburgh Newbury Newcastle New Hamburg	3 3 28 15 35	723.76 9,486.20 11,620.15	Port Perry	27 25 34 32 35	42,718.06 16,651.58 94,342.80 120,201.41 549,454.16
Newmarket New Toronto Niagara Niagara Falls North York Twp	7 32 28 31 28	76,277.40 1,180,604.10	Priceville. Princeton Queenston Renfrew Richmond	27 32 28 7 24	2,135.19 21,843.27 15,273.21 18,424.84 9,007.16
Norwich	34 23 3 28 12	16,280.50 30,896.65 47,667.01	Richmond Hill Ridgetown Ripley Riverside Rockwood	27 31 27 29 33	53,776.10 91,810.14 18,424.27 190,605.90 24,268.92
Orangeville Orono Oshawa Ottawa Otterville	30 13 23 36 30	5,488.41 1,451,811.95 991.770.07	Rodney	29 21 26 30 29	29,724.66 8,898.69 12,968.63 1,738,174.75 15,621.79
Owen Sound	31 27 30 32 28	24,798.02 94,361.27 244,661.19	St. George St. Jacobs. St. Marys. St. Thomas Sarnia	31 29 35 35 30	29,930.88 37,780.00 277,080.51 1,062,001.45 1,393,506.44

SINKING FUND PAYMENTS BY MUNICIPALITIES AND INTEREST ALLOWED THEREON

(including proportionate shares of sinking funds provided out of other revenues of the System)

Municipality	Period of years to Dec. 31, 1951	Amount	Municipality	Period of years to Dec. 31, 1951	Amount
Scarborough Twp Seaforth Shelburne Simcoe Smiths Falls	28 35 30 31 28	\$ 549,015.28 132,716.25 42,759.11 265,433.10 253,052.87	TweedUxbridge	15 20 21 27 32	\$ 39,255.17 269,000.77 30,096.55 47,568.07 14,158.14
Smithville	11 21 29 30 33	10,740.81 40,238.11 18,520.56 242,546.34 38,212.65	Warkworth	21 31 28 23 35	65,754.43 482,184.82 8,798.64 9,773.04 46,566.35
Stirling	22 5 28 35 32	24,183.97 8,168.06 43,753.91 1,216,835.30 197,243.34	WaterlooWatford	31 35 29 32 29	68,594.68 618,369.58 56,594.51 11,573.91 772,743.07
Streetsville Sunderland Sutton Swansea Tara	17 32 28 26 28	18,113.48 21,678.18 42,830.81 227,772.81 19,258.88	Wellington	30 23 30 35 20	31,985.76 26,073.13 55,671.73 534,971.30 14,233.21
Tavistock Tecumseh Teeswater Thamesford Thamesville	30 29 27 32 31	97,553.23 62,218.65 28,105.92 37,630.84 38,200.79		28 23 21 31 32	34,576.09 132,202.85 41,249.20 13,482.76 45,895.43
Thedford. Thornbury. Thorndale. Thornton. Thorold.	28 7 32 28 29	7,295.54	Windermere Windsor Wingham Woodbridge Woodstock	22 32 27 32 35	6,681.60 6,665,354,08 94,024.42 80,855.40 916,481.15
Tilbury. Tillsonburg. Toronto. Toronto Twp. Tottenham.	31 35 35 33 28	118,762.93 200,752.02 41,014,432.64 339,222.35 23,541.09		32 30 31 29	19,786.51 18,666.99 1,834,786.63 28,478.07
			Total—Municipa Total—Rural Pov trict	wer Dis-	115,935,309.98 14,562,491.01
			Grand Total		130,497,800.99

THUNDER BAY SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES AND INTEREST ALLOWED THEREON

(including proportionate shares of sinking funds provided out of other revenues of the System)

December 31, 1951

Municipality	Period of years to December 31, 1951	Amount
Fort William Nipigon Twp. Port Arthur Red Rock Imp. Dist Schreiber Twp. Terrace Bay Imp. Dist.	25 4 3	\$ 2,578,439.93 41,974.83 5,300,456.40 12,169.17 12,374.25 25,893.85
Total—Municipalities Total—Rural Power District Total—Mining Area Grand Total		7,971,308.43 195,152.91 24,942.97 8.191,404.31

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario FIXED ASSETS—Summary, December 31, 1951

FIXED ASSETS—Summary, December 31, 1951

	77.1	In se		
Property	Under construction	Non- depreciable	Depreciable	Total
Abitibi District Timiskaming District Sudbury District Nipissing District Patricia District Rainy River District Communications Office and Service Equipment	\$ 1,252,435.01 330,444.60 913,723.01 66,122.73 1,475,596.39 332,769.17 176,419.93	4,107,768.60 214,225.80 327,164.19 353,766.27	1,742,974.55 9,901,479.57	10,761,432.15 35,109,845.06 2,023,323.08 11,704,240.15 2,814,872.35 1,788,322.66
Rural Power District	4,547,510.84 1,541,387.76	47,696.60	12,417,390.46	14,006,474.82
Total fixed assets		12,834,795.53	98,878,114.32	117,801,808.45 6,671,517.16 111,130,291.29

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario

in trust for the Province of Ontario

FIXED ASSETS—December 31, 1951

	TTt.	In se	T ()	
Property	Under construction	Non- depreciable	Depreciable	Total
ABITIBI DISTRICT Generating Stations Abitibi River	\$	\$	\$	\$
Abitibi Canyon. Frederick House Dam Desserat Lake Diversion Watabeag Lake Dam Coral and Otter Rapids Mattagami River	23,056.58	141,588.49 4.220.89	753,772.49 34,471.80	
Wawaitin Sandy Falls Lower Sturgeon Montreal River		53,250.00	1,388,087.97 875,136.14 779,363.56	1,388,087.97 875,136.14 859,318.10
Indian Chute	66,624.09	• • • • • • • • • • • • • • • • • • • •	441,937.54	508,561.63
Sub-total	320,987.02	5,736,905.64	17,857,090.22	23,914,982.88
Transformer Stations Transmission Lines Local Systems	462,528.86 435,775.56 33,143.57		4,884,351.90 7,369,688 87 1,438,563.23	5,346,880.76 8,645,408.70 1,471,706.80
Total Abitibi District	1,252,435.01	6,576,849.91	31,549,694.22	39,378,979.14
TIMISKAMING DISTRICT Generating Stations Matabitchuan River Matabitchuan Storage dams	30,437.33	3,240.00 14,374.75		738,220.38 148,919.87
Mattagami River Storage dams Intangible		1,944.00 986,398.64		290,128.56 986,398.64
Montreal River Hound Chute Ragged Chute Fountain Falls Upper Notch Storage dams	101,381.03 25,224.52	15,878.90	642,136.45 959,172.00 393,761.00 2,318,191.99 178,459.69	645,053.83 959,172.00 495,142.03 2,359,295.41 178,459.69
Sub-total	157,042.88	1,024,753.67	5,618,993.86	6,800,790.41
Transformer Stations	88,647.04 70,010.94 1,162.10 13,581.64	172,120.49 10,450.00	432,327.16 2,622,258.23 197,166.34 352,917.80	520,974.20 2,864,389.66 208,778.44 366,499.44
Total Timiskaming District	330,444.60	1,207,324.16	9,223,663.39	10,761,432.15

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario

in trust for the Province of Ontario

FIXED ASSETS—December 31, 1951

D 4	Under	In se	Total	
Property	construction	Non- depreciable	Depreciable	Total
SUDBURY DISTRICT Generating Stations Wanapitei River	\$	\$	\$	\$
Stinson. Coniston McVittie Storage dam Intangible.	19,771.30	15,092.20	773,037.02 393,696.61 194,870.00	699,741.01 788,129.22 426,790.91 194,895.00 830,514.53
Sturgeon River Crystal Falls and storage dams	6,770.48	44,531.27	1,244,041.80	1,295,343.55
Mississagi River George W. Rayner Rocky Island Storage Dam. Aubrey Falls		1,740,000.00 1,000,000.00	16,643,289.55 2,147,716.07	18,383,289.55 3,147,716.07 43,893.66
Sub-total	70,435.44	3,676,486.00	22,063,392.06	25,810,313.50
Transformer Stations Transmission Lines	637,788.51 205,499.06		4,157,301.15 3,867,660.24	4,795,089.66 4,504,441.90
Total Sudbury District	913,723.01	4,107,768.60	30,088,353.45	35,109,845.06
NIPISSING DISTRICT Generating Stations South River				
Nipissing . Bingham Chute . Elliot Chute . Storage dams . Intangible .		12,089.60 12,105.05 119,307.09 69,478.34	242,280.91 281,172.61 334,834.33 76,122.70	256,146.01 293,277.66 454,141.42 76,122.70 69,478.34
Sub-total	1,775.50	212,980.08	934,410.55	1,149,166.13
Transformer Stations Transmission Lines Local Systems		1,245.72	437,144.87 313,914.56 57,504.57	486,969.65 325,626.08 61,561.22
Total Nipissing District	66,122.73	214,225.80	1,742,974.55	2,023,323.08

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario

in trust for the Province of Ontario

FIXED ASSETS—December 31, 1951

D .		In ser	m . 1	
Property	Under construction	Non- depreciable	Depreciable	Total
PATRICIA DISTRICT Generating Stations	\$	\$	\$	\$
English River Ear Falls Manitou Falls	22,161.79 46,264.62		3,758,768.41	3,781,496.95 46,264.62
Albany River Rat Rapids	399,560.42	39,297.44	571,400.88	1,010,258.74
Winnipeg River Boundary Falls	20,745.72	•		20,745.72
Sub-total	488,732.55	39,864.19	4,330,169.29	4,858,766.03
Transformer Stations Transmission Lines Local Systems	394,285.24 591,345.81 1,232.79		429,311.23 5,053,867.24 88,131.81	823,596.47 5,932,513.05 89,364.60
Total Patricia District.	1,475,596.39	327,164.19	9,901,479.57	11,704,240.15
RAINY RIVER DISTRICT Transformer Stations Transmission Lines Local Systems Intangible Total Rainy River	295,504.71 36,869.68 394.78	349,679.95	1,100,258.25 921,093.33 106,985.33	1,395,762.96 1,307,642.96 107,380.11 4,086.32
District	332,769.17	353,766.27	2,128,336.91	2,814,872.35
COMMUNICATIONS	176,419.93		1,611,902.73	1,788,322.66
Office and Service Equipment			214,319.04	214,319.04
RURAL POWER DISTRICT Distribution System H-E.P.C. investment. Government grants. Generating Stn (Manitoulin). Transformer Stns (Manitoulin). Transmission Lines (Manitoulin).	14,044.05 4,070.23	43,396.98	6,036,869.75 5,914,333.36 167,346.94 54,765.52 244,074.89	6,807,259.05 6,671,517.16 210,743.92 68,809.57 248,145.12
	1,541,387.76	47,696.60	12,417,390.46	14,006,474.82

NORTHERN ONTARIO STATEMENT OF CHANGES IN FIXED ASSETS—

Property	Balance at beginning of year	Expenditure during year
GENERATING STATIONS Abitibi District Timiskaming District Sudbury District Nipissing District Patricia District Rainy River District	10,211,827.12 25,321,213.55 1,142,788.47 4,638,264.17	\$ 310,579.51 143,610.59 473,479.64 20,966.56 240,165.86
	61,418,174.51	1,188,802.16
Transformer Stations Abitibi District Timiskaming District Sudbury District Nipissing District Patricia District Rainy River District	3,335,775.83 2,114,365.48 4,528,749.99 443,668.63 345,765.62	412,270.23 45,738.96 282,742.16 40,403.80 482,205.72 422,375.37
_	11,774,428.13	1,685,736.24
Transmission Lines Abitibi District Timiskaming District Sudbury District Nipissing District Patricia District Rainy River District	3,711,620.35 4,291,318.28 296,799.88 4,891,479.45	1,021,010.94 24,882.44 216,603.39 30,661.31 1,046,943.27 32,357.92
	21,311,541.01	2,372,459.27
LOCAL SYSTEMS Abitibi District Timiskaming District Nipissing District Patricia District Rainy River District	1,604,204.15 60,279.88 82,503.42	169,845.19 25,829.46 1,360.52 7,138.75 16,891.66
	1,958,178.21	221,065.58
Communications	1,485,939.61	317,302.95
OFFICE AND SERVICE BUILDINGS Timiskaming District	208,344.71	1,433.73
OFFICE AND SERVICE EQUIPMENT	182,049.19	32,457.35
RURAL POWER DISTRICT H-E.P.C. investment Government grants Power Development (Manitoulin) Transformer Stations (Manitoulin) Transmission Lines (Manitoulin)	4,725,546.86 238,558.40 49,714.64 190,192.90	1,998,467.09 1,974,858.95 3,221.95 27,813.93 57,952.22
	10,041,693.43	4,062,314.14
TotalLess grants in aid of construction—	108,380,348.80	9,881,571.42
Province of Ontario for Rural Power District	4,725,546.86	1,945,970.30
	103,654,801.94	7,935,601.12

PROPERTIES
During Year Ended December 31, 1951

for equipment relocated and reclassified Values recovered (stores, sales and salvage) Charged to reserve for depreciation and contingencies Balance at end of year \$ 3,532,499.96 \$ 24,332.47 \$ 3,759.00 \$ 23,914,982.88 \$ 3,533,439.96 \$ 10,657.34 \$ 10,550.00 \$ 6,800,790.41 \$ 15,795.31 \$ 96.90 \$ 14,492.00 \$ 1,149,166.13 \$ 15,795.31 \$ 35,086.71 \$ 48,640.00 \$ 62,538,105.27 \$ 14,855.31 \$ 35,086.71 \$ 48,640.00 \$ 62,538,105.27 \$ 1,633,312.24 \$ 9,822.36 \$ 24,655.18 \$ 5,346,880.76 \$ 1,632,482.24 \$ 225.00 \$ 6,423.00 \$ 520,974.20 \$ 8,288.00 \$ 5,400.78 \$ 485,960.86 \$ 2,594.00 \$ 801.65 \$ 979.22 \$ 823,596.67 \$ 2,704.00 \$ 9,038.85 \$ 26,380.14 \$ 1,395,762.98 \$ 6,710.31 \$ 19,892.04 \$ 64,288.32 \$ 13,369,273.70 \$ 827,481.13 \$ 23,144.03 \$ 24,977.35 \$ 8,645,408.70 \$ 836.00 \$ 1,225,066.36 \$ 40,541.71 \$ 325,626.08 \$ 2,864,389.66	Adjustment	Retire	Retirements						
relocated and reclassified (stores, sales and salvage) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Values	Charged to	Ralance at					
S S S S S S S S S S									
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				end of year					
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	and reclassined								
3,532,499,96 3,533,439,96 10,657,34 10,559,00 123,914,982,88 15,795,31 10,657,34 10,559,00 125,810,313,50 19,664,00 1,4492,00 1,149,166,13 19,664,00 1,498,766,03 19,664,00 1,498,766,03 19,664,00 1,498,766,03 19,664,00 1,498,766,03 1,633,312,24 1,633,312,24 1,632,482,24 225,00 15,948,31 1,831 1		and salvage)	contingencies						
3,533,439.96			\$	\$					
15,795.31 96.90 14,492.00 1,149.166.13 1,149.166.13 4,858,766.03 4,086.32 14,855.31 35,086.71 48,640.00 62,538,105.27 1,633,312.24 9,822.36 24,655.18 5,346,880.52 1,632,482.24 225.00 6,423.00 520,974.20 15,948.31 4.18 450.00 4,795,089.66 8,298.00 5,400.78 486,999.65 2,594.00 801.65 979.22 823,596.47 2,704.00 9,038.85 26,380.14 1,395,762.96 6,710.31 19,892.04 64,288.32 13,369,273.70 827,481.13 23,144.03 24,977.35 8,645,408.70 830.00 4,127.77 955.11 325,626.08 4,800.0 4,127.77 955.11 325,626.08 1,540.00 1,373.90 2,995.77 5,932,513.05 1,225,066.36 40,541.71 3,301.79 1,471.706.80 49,543.57 33,188.05 2,096,512.17 410.00 49,543.57 33,188.05 2,096,512.17 410.00 17,88,322.66 4,990.00 <td></td> <td></td> <td></td> <td>23,914,982.88</td>				23,914,982.88					
14,492.00	3,533,439.96	10,657.34	10,550.00	6,800,790.41					
19,664.00	15,795.31		175.00						
14,855.31 35,086.71 48,640.00 62,538,105.27 1,633,312.24 9,822.36 24,655.18 5,346,880.76 1,632,482.24 225.00 6,423.00 4,795,089.66 8.298.00 4.18 450.00 4,795,089.66 2,594.00 801.65 979.22 823,596.47 2,704.00 9,038.85 26,380.14 1,395,762.96 6,710.31 19,892.04 64,288.32 13,369,273.70 827,481.13 23,144.03 24,977.35 8,645,408.70 835,279.13 1,465.31 35,368.69 2,864.389.66 648.00 4,127.77 955.11 325,626.08 1,540.00 1,373.90 2,995.77 5,932,513. 1,25,066.36 40,541.71 3,301.79 1,377,642.96 9,570.00 30,111.01 64,296.92 23,580,022.35 1,225,066.36 40,541.71 3,301.79 1,471,706.80 1,225,066.36 40,541.71 3,301.79 1,471,706.80 1,225,066.36 8,971.70 29,496.11 366,499.44 1,000.00 20,8778.44 4,990.00		96.90	14,492.00	1,149,166.13					
14,855.31 35,086.71 48,640.00 62,538,105.27 1,633,312.24 9,822.36 24,655.18 5,346,880.76 1,632,482.24 225.00 6,423.00 4,795,089.66 8.298.00 4.18 450.00 4,795,089.66 2,594.00 801.65 979.22 823,596.47 2,704.00 9,038.85 26,380.14 1,395,762.96 6,710.31 19,892.04 64,288.32 13,369,273.70 827,481.13 23,144.03 24,977.35 8,645,408.70 835,279.13 1,465.31 35,368.69 2,864.389.66 648.00 4,127.77 955.11 325,626.08 1,540.00 1,373.90 2,995.77 5,932,513.06 9,570.00 30,111.01 64,296.92 23,580,022.35 1,225,066.36 40,541.71 3,301.79 1,471,706.80 1,225,066.36 8,971.70 29,496.11 366,499.44 1,225,066.36 40,541.71 3,301.79 1,471,706.80 1,225,066.36 8,971.70 29,496.11 366,499.44 1,000.00 20,8778.44 40.00 <t< td=""><td></td><td></td><td>19,664.00</td><td>4,858,766.03</td></t<>			19,664.00	4,858,766.03					
1,633,312,24 9,822,36 24,655,18 5,346,880,76 1,632,482,24 225,00 6,423,00 4,795,089,66 8,298,00 5,400,78 486,969,65 2,594,00 801,65 979,22 823,596,47 2,704,00 9,038,85 26,380,14 1,395,762,96 6,710,31 19,892,04 64,288,32 13,369,273,70 827,481,13 23,144,03 24,977,35 8,645,408,70 835,279,13 1,465,31 35,368,69 2,864,389,66 648,00 4,127,77 955,11 325,666,08 1,540,00 1,373,90 2,995,77 5,932,513,05 1,540,00 30,111,01 64,296,92 23,580,022,35 1,225,066,36 40,541,71 3,301,79 1,471,706,80 1,225,066,36 8,971,70 29,496,11 366,499,44 30,16 49,02 61,561,22 277,57 89,364,60 107,380,11 49,543,57 33,188,05 2,096,512,17 410,00 14,509,90 1,788,322,66 4,990,00 28,662,98 5,215,68 6,807,259,05 <tr< td=""><td></td><td>• • • • • • • • • • • • • • • • • • • •</td><td></td><td>4,086.32</td></tr<>		• • • • • • • • • • • • • • • • • • • •		4,086.32					
1,632,482,24 225,00 6,423,00 520,974,20 15,948,31 4.18 450,00 4,795,089,66 8,298,00	14,855.31	35,086.71	48,640.00	62,538,105.27					
1,632,482,24 225,00 6,423,00 520,974,20 15,948,31 4.18 450,00 4,795,089,66 8,298,00	1.633.312.24	9,822,36	24.655.18	5.346.880.76					
15,948.31 4.18 450.00 4,795,089.66 8,298.00									
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410.00 14,509.90 1,788,322.66 1,000.00 208,778.44 187.50 214,319.04 4.990.00 28,662.99 5,215.68 6,807,259.05 4,990.00 28,662.98 5,215.67 6,671,517.16 210,743.92 8,145.00 210,743.92 68,809.57 248,145.12 1,835.00 57,332.40 42,035.35 14,006,474.82 191,965.73 268,146.04 117,801,808.15 6,671,517.16		49.543.57		2.096,512.17					
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8,145.00 574.00 68,809.57 248,145.12 1,835.00 57,332.40 42,035.35 14,006,474.82 191,965.73 268,146.04 117,801,808.15 6,671,517.16	1,000.00			210 743 92					
1,835.00 57,332.40 42,035.35 14,006,474.82 191,965.73 268,146.04 117,801,808.45 6,671,517.16	8 145 00	0.40		68 809 57					
1,835.00 57,332.40 42,035.35 14,006,474.82 191,965.73 268,146.04 117,801,808.15 6,671,517.16	0,145.00		374.00	248 145 12					
191,965.73 268,146.04 117,801,808.15 6,671,517.16									
6,671,517 16	1,835.00	57,332.40	42,035.35	14,006,474.82					
20.00.00		191,965.73	268,146.04	117,801,808.15					
191,965.73 268.146.04 111,130,291.29				6,671,517 . 16					
		101.065.72	268 146 04	111 130 291 29					

 Depreciation
 \$ 37,222.84

 Contingencies
 230,923.20

 Total
 268,146.04

Balance at January 1, 1951

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario

DEPRECIATION RESERVE—December 31, 1951

......\$ 9.155.541.40

Add:		9,155,541.40
Interest at 4% per annum on reserve balance \$ Provision in the year—direct	366,221.66 1,115,035.03 25,296.64 96,266.16	
Adjustments re equipment transferred	90,200.10	1,602,819.49
Delet	\$	10,758,360.89
Deduct: Amounts withdrawn for renewals\$ Amounts withdrawn on assets retired Excess depreciation accumulated on assets retired—trans-	21,208.79 37,222.84	
ferred to contingency reserve	5,268.10	63,699.73
Balance at December 31, 1951	\$	10,694,661.16
CONTINGENCIES AND OBSOLESCENCE RESERVE-	–December 31	1, 1951
Balance at January 1, 1951	\$	3,295,370.25
Interest at 4% per annum on reserve balance\$ Provision in the year—direct	131,814.78 612,882.40 2,437.69	
Excess depreciation accumulated on assets retired—trans- ferred from depreciation reserve	5,268.10	752,402.97
	-	
Deduct: Contingencies met with during year\$	30,818.67	
Excess of cost of fixed assets retired over accumulated depreciation—current year—prior years	230,923.20 5.961.59	
prior years		206,066.12
Balance at December 31, 1951	\$	3,841,707.10
SINKING FUND RESERVE—December 3	31, 1951	
Balance at January 1, 1951	\$	23,412,049.19
Interest at 4% per annum on reserve balance\$ Provision in the year—direct—indirect	871,343.11 1,065,628.57 3,064.09	1.040.005.55
_		1,940,035.77
Balance at December 31, 1951		25,352,084.96

APPENDIX III—RURAL

Classes of Service—Rate Structure—

Summary Tabulations of Revenue, Consumption, and Miles of Line

Rural electrical service is supplied at wholesale by the Commission to 103 rural operating areas in the amalgamated Rural Power District. Within the Rural Power District the customers served are classified as farm, hamlet, commercial, summer, or industrial power service customers. These are defined below and the rates applicable to each follow.

For farm, hamlet, commercial, and summer service a uniform rural rate structure applies. Rates for rural industrial power service vary with the locality served. In their present form these rate structures have been in force since May 1, 1950.

Descriptions of Main Classes of Hydro Rural Service

Farm Service

Farm service means service rendered to lands and buildings thereon used for the production of food or industrial crops on that land, and shall include electrical service to all farm buildings and equipment located on the farm and used for farm purposes, including that required for processing the products of the customer's farm.

Service may be supplied under a farm contract to all dwellings or separate domestic establishments located on the farm property and occupied by persons who are engaged in the operation of the farm.

Additional dwellings or domestic establishments located on a farm property and occupied by persons not engaged in the operation of the farm shall be classed as hamlet contracts and rated accordingly. Small properties of five acres and less shall be classed as hamlet services except under special circumstances when a farm classification may be applied.

The minimum demand of a farm service for billing purposes shall be taken as three kilowatts.

Commercial Service

Commercial service means service rendered to a business establishment, including a church, school, public hall, boarding house, or other establishment used wholly or in part for business or community purposes.

Single-phase power only will be supplied under a commercial contract. Where 3-phase power is required, the service shall be classed as an industrial power service.

Hamlet Service

Hamlet service means service to a domestic establishment.

Summer Service

Summer service means service rendered to any kind of establishment normally used during the summer months only.

The demand rating for hamlet, commercial, and summer service is two kilowatts for a 2-wire service, and is limited by a 20-ampere breaker or a 30-ampere fuse. If the demand exceeds two kilowatts, 3-wire service is supplied and the minimum demand rating is three kilowatts.

Industrial Power Service

Power service covers 3-phase service to power users, such as creameries, cheese factories, chopping mills, industries, and special loads which cannot be supplied as commercial single-phase service.

Uniform Rural Rate Structure

For the first four of these classes of service the uniform rate structure incorporates a three-step energy charge as follows:

- 1. a gross charge of 4.4 cents per kilowatt-hour for a first designated number of kilowatt-hours per billing period.
- 2. a gross charge of 2.1 cents per kilowatt-hour for a similarly designated second number of kilowatt-hours in the same billing period.
- 3. a gross charge of 1.1 cent per kilowatt-hour for all additional kilowatt-hours in the same billing period.

Each of these four classes of customer is subdivided for rate purposes into groups according to power demand. All rural contracts for these types of service therefore carry a letter indicating the classification of the contract, and the letter is followed by a number indicating the kilowatt demand rating or the demand permissible under the contract. The table shows the minimum demand rating for each class.

The minimum monthly or annual bill and the number of kilowatthours to be billed at each of the three charge steps referred to, vary with each of these subdivided groups. The effect of this variation is shown in the table below. It should be noted that for summer service there is an annual service charge rather than a minimum monthly bill. Energy consumption per billing period is billed on the three-step energy charge schedule.

RATES TO CUSTOMERS IN RURAL OPERATING AREAS Farm, Hamlet, Commercial, and Summer Service

Prompt Payment Discount 10 per cent

	K	Kilowatt-hours billed a	ıt	
Rating and demand in kilowatts	first rate 4.4 cents	second rate 2.1 cents	third rate 1.1 cent	Min bill per month (gross)
F3 F4 F5 F6 F7 F8 F9 F10	60 80 100 120 140 160 180 200	umber per mon 180 240 300 360 420 480 540 600	th) All additional	\$ 2.25 3.00 3.75 4.50 5.25 6.00 6.75 7.50
H2. H3. H4. H5. H6. H7. H8. H9.	60 60 60 80 100 120 140 160 180	80 180 240 300 360 420 480 540 600	All additional	1.67 2.25 3.00 3.75 4.50 5.25 6.00 6.75 7.50
C1* C2 C3 C4 C5 C6 C7 C8 C9 C10	30 60 90 120 150 180 210 240 270 300	60 120 180 240 300 360 420 480 540 600	All additional	0.75 1.50 2.25 3.00 3.75 4.50 5.25 6.00 6.75 7.50
S2	150 225 300 375 450 525	umber per ann 450 675 900 1,125 1,350 1,575	u m) All additional	Annual fixed charge (gross) \$. 16.67 22.22 22.22 25.00 30.00 35.00
\$8 \$9 \$10	600 675 750	1,800 2,025 2,250		40.00 45.00 50.00

^{*} only available in combination with hamlet service.

For each increase in demand of 1 kilowatt the table above should be adjusted by the addition given below according to class of service.

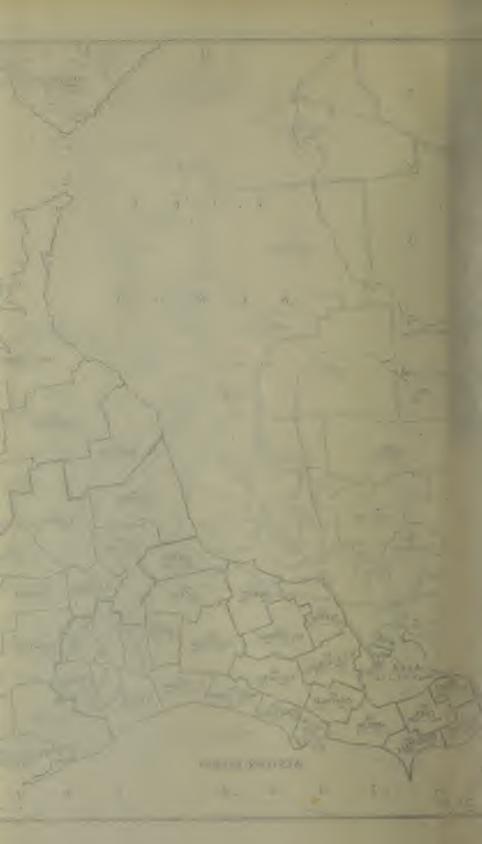
Service	First rate	Second rate	Addition to gross minimum bill	Addition to gross annual fixed charge
	kwh	kwh	cents	\$
Farm	20	60	75	
Hamlet	20	60	75 75	
Commercial Summer	·30 75	60 225	75 	5.00

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas	Basis of rate	Service charge	Rate p	er kwh per 1	month
by regions	monthly use of demand per hp	per kw per mo	First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM	\$	\$	cents	cents	cents
Western Aylmer. Blenheim Bothwell Chatham Delaware	34.00 35.00 37.00 31.00 32.00	1.35 1.35 1.35 1.35 1.35	3.4 3.5 3.8 2.9 3.1	2.2 2.3 2.5 1.9 2.0	0.33 0.33 0.33 0.33 0.33
Dorchester Essex Exeter Forest Harrow	32.00 34.00 37.00 39.00 35.00	1.35 1.35 1.35 1.35 1.35	3.1 3.4 3.8 4.1 3.5	2.0 2.2 2.5 2.7 2.3	0.33 0.33 0.33 0.33 0.33
Ingersoll Kingsville London Lucan Merlin	35.00 31.00 37.00	1.35 1.35 1.35 1.35 1.35	2.9 3.5 2.9 3.8 3.5	1.9 2.3 1.9 2.5 2.3	0.33 0.33 0.33 0.33 0.33
Norwich Oil Springs Ridgetown St. Thomas Sarnia	39.00 40.00 34.00	1.35 1.35 1.35 1.35 1.35	3.1 4.1 4.3 3.4 3.7	2.0 2.7 2.8 2.2 2.4	0.33 0.33 0.33 0.33 0.33
Tillsonburg Wallaceburg West Lorne Windsor Woodstock	34.00 37.00 31.00	1.35 1.35 1.35 1.35 1.35	3.1 3.4 3.8 2.9 2.9	2.0 2.2 2.5 1.9 1.9	0.33 0.33 0.33 0.33 0.33
West Central Brantford Burlington Cayuga Clinton Dundas	31.00 41.00 39.00	1.35 1.35 1.35 1.35 1.35	3.1 2.9 4.4 4.1 2.9	2.0 1.9 2.9 2.7 1.9	0.33 0.33 0.33 0.33 0.33
Elmira. Guelph Kitchener Listowel. Mitchell	30.00 32.00 32.00	1.35 1.35 1.35 1.35 1.35	3.1 2.8 3.1 3.1 3.5	2.0 1.8 2.0 2.0 2.3	0.33 0.33 0.33 0.33 0.33
Saltfleet (Stoney Creek)	31.00 35.00	1.35 1.35 1.35 1.35	2.3 2.9 3.5 3.1	1.5 1.9 2.3 2.0	0.33 0.33 0.33 0.33



RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

	Basis of rate	Service charge	Rate per kwh per month				
Rural operating areas by regions	monthly use of demand per hp	per kw per mo	First 50 hrs	Second 50 hrs	All ad- ditional		
SOUTHERN ONTARIO SYSTEM —Continued	\$. \$	cents	cents	cents		
Niagara Beamsville Dunnville Niagara (St. Catharines) Welland	34.00	1.35 1.35 1.35 1.35	2.8 3.4 2.6 2.0	1.8 2.2 1.7 1.3	0.33 0.33 0.33 0.33		
Toronto Brampton Markham Richmond Hill Sutton Woodbridge	32.00 32.00 32.00 35.00 34.00	1.35 1.35 1.35 1.35 1.35	3.1 3.1 3.1 3.5 3.4	2.0 2.0 2.0 2.3 2.2	0.33 0.33 0.33 0.33 0.33		
Georgian Bay Alliston Bala Barrie Bracebridge Cannington	31.00 37.00 36.00	1.35 1.35 1.35 1.35 1.35	3.8 2.9 3.8 3.7 4.1	2.5 1.9 2.5 2.4 2.7	0.33 0.33 0.33 0.33 0.33		
Hawkestone (Orillia)	35.00 32.00 34.00	1.35 1.35 1.35 1.35 1.35	2.8 3.5 3.1 3.4 4.9	1.8 2.3 2.0 2.2 3.3	0.33 0.33 0.33 0.33 0.33		
Owen Sound Parry Sound Shelburne Stayner Uxbridge	34.00 39.00 32.00	1.35 1.35 1.35 1.35 1.35	4.3 3.4 4.1 3.1 4.3	2.8 2.2 2.7 2.0 2.8	0.33 0.33 0.33 0.33 0.33		
WalkertonWingham		1.35 1.35	3.8	$\frac{2.5}{2.7}$	0.33 0.33		
East Central Bancroft Belleville Bowmanville Brighton (Frankford) Cobourg	30.00 32.00 29.00	1.35 1.35 1.35 1.35 1.35	5.7 2.8 3.1 2.6 2.9	3.8 1.8 2.0 1.7 1.9	0.33 0.33 0.33 0.33 0.33		
Fenelon Falls Frankford Kingston Lakefield Millbrook	29.00 31.00 31.00	1.35 1.35 1.35 1.35 1.35	3.5° 2.6 2.9 2.9 3.5	2.3 1.7 1.9 1.9 2.3	0.33 0.33 0.33 0.33 0.33		

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas	Basis of rate 130 hours'	Service charge	Rate p	oer kwh per	month
by regions	monthly use of demand per hp	per kw per mo	First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM —Continued	\$	\$	cents	cents	cents
East Central—Continued Minden Napanee Norwood. Oshawa Peterborough.	35.00 30.00 39.00 31.00 25.00	1.35 1.35 1.35 1.35 1.35	3.5 2.8 4.1 2.9 2.0	2.3 1.8 2.7 1.9 1.3	0.33 0.33 0.33 0.33 0.33
PictonTweed	36.00 42.00	1.35 1.35	3.7 4.6	$\frac{2.4}{3.0}$	0.33 0.33
Eastern Arnprior Brockville Carleton Place (Perth) Delta Martintown (Lancaster)	31.00	1.35 1.35 1.35 1.35 1.35	2.9 2.9 2.8 3.1 4.4	1.9 1.9 1.8 2.0 2.9	0.33 0.33 0.33 0.33 0.33
Ottawa Perth Plantagenet Renfrew Winchester	27.00 32.00 41.00 31.00 32.00	1.35 1.35 1.35 1.35 1.35	2.3 3.1 4.4 2.9 3.1	1.5 2.0 2.9 1.9 2.0	0.33 0.33 0.33 0.33 0.33
THUNDER BAY SYSTEM					
Northwestern Thunder Bay (Port Arthur)	30.00	1.35	2.8	1.8	0.33
NORTHERN ONTARIO PROPERTIES					
Northeastern Cochrane Connaught (Matheson) Crystal Falls (North Bay) Manitoulin (Kagawong) North Bay (North Bay)	50.00 42.00 50.00 44.00 42.00	1.35 1.35 1.35 1.35 1.35	5.7 4.6 5.7 4.8 4.6	3.8 3.0 3.8 3.2 3.0	0.33 0.33 0.33 0.33 0.33
Sudbury Timiskaming (New Liskeard)	37.00 41.00	1.35 1.35	3.8 4.4	2.5 2.9	0,33 0.33
Northwestern Dryden Kenora Rainy River (Fort Frances) Sioux Lookout	50.00 50.00 50.00 50.00	1.35 1.35 1.35 1.35	5.7 5.7 5.7 5.7	3.8 3.8 3.8 3.8	0.33 0.33 0.33 0.33

RURAL OPERATING AREAS MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1951

Rural operating	Miles of			nber of eceiving					mplet- 1951*
areas by regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONT	ARIO SYST	ГЕМ							
Western Aylmer Blenheim Bothwell Chatham Delaware	333.58 134.68 386.50 305.12 476.15	1,500 620 1,344 1,379 1,709	988 357 323 1,731 524	182 71 136 176 189	221 146 1	5 5 15 24 5	2,896 1,199 1,819 3,310 2,427	5.21 1.26 3.45 5.36 1.40	9 3 8 4 4
Dorchester Essex Exeter Forest Harrow	192.76 291.95 252.03 305.71 232.58	806 1,467 1,042 1,241 1,249	441 931 509 164 738	96 132 135 86 102	568 784 599 1,130	11 9 5 6 6	1,356 3,107 2,475 2,096 3,225	4.48 4.30 4.99 2.00 4.63	1 18 7 8 8
Ingersoll Kingsville London Lucan Merlin	288.95 237.82 302.59 345.91 369.60	1,021 1,664 1,182 1,198 1,522	354 963 5,887 141 391	70 138 323 91 157	9 1,103 1 219	5 16 35 4 7	1,459 3,884 7,427 1,435 2,296	2.57 3.47 4.40 3.98 10.04	1 13 12 14 5
Norwich Oil Springs Ridgetown St. Thomas Sarnia	199.29 328.47 177.58 296.47 261.78	922 1,288 637 1,163 1,103	261 212 265 1,485 1,453	61 126 57 166 188	499 11 622	7 5 5 7 3	1,251 1,631 1,463 2,832 3,369	6.61 6.23 3.08 1.86 12.05	1 14 1 16 25
Tillsonburg Wallaceburg West Lorne Windsor Woodstock	242.94 435.18 246.12 205.64 212.52	1,033 1,654 827 823 880	691 950 167 6,353 536	136 226 62 459 108	197 35	13 11 1 35 4	1,873 3,038 1,092 7,670 1,528	1.96 9.03 2.70 4.03 3.90	2 30 6 9 1
Total	7,061.92	29,274	26,815	3,673	6,147	249	66,158	112.99	220
West Central Brantford Burlington Cayuga Clinton Dundas	663.36 115.52 367.81 596.37 334.00	2,844 534 1,286 2,120 1,585	1,352 2,773 533 765 1,585	245 141 155 241 164	11 25 552 488	17 33 21 5 13	4,469 3,506 2,547 3,619 3,347	9.64 1.52 5.20 10.74 1.68	5 44 42 19 9
Elmira	443.50 361.13 489.46 563.24 538.52	1,436 1,196 1,727 2,254 2,177	938 1,036 3,680 592 581	182 127 356 219 178	69 19 177 2	21 13 39 7 11	2,646 2,391 5,979 3,074 2,947	7.74 6.26 9.77 7.06 8.68	16 6 18 17 10
Saltfleet	431.40 752.03 289.05	1,632 3,215 1,175	4,464 2,113 495	347 320 111	226 1,064 1	26 12 9	6,695 6,724 1,791	12.02 7.19 16.23	50 28 2
Total	5,945.39	23,181	20,907	2,786	2,634	227	49,735	103.73	266

^{*} Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CUSTOMERS

as of December 31, 1951

Rural operating	receiving carvice						Not co		
areas by regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONT.	SOUTHERN ONTARIO SYSTEM								
Niagara									
Beamsville Dunnville Niagara Welland	353.62 242.17 249.97 411.49	2,023 974 1,508 1,455	1,225 563 4,184 4,964	120 267	886 183	21 9 35 55	3,602 2,552 6,177 7,496	2.66 4.02	4 6 20 19
Total	1,257.25	5,960	10,936	981	1,830	120	19,827	39.43	49
Toronto									
Brampton Markham Richmond Hill Sutton Woodbridge	543.46 347.21 301.84 281.09 363.81	1,882 1,493 1,098 806 1,209	1,560 3,577 4,247 1,329 1,876	262 329 163	728 250 2,740	27 27 14	3,963 6,087 5,951 5,052 3,495	3.80 6.71 4.59	31 33 19 17 13
Total	1,837.41	6,488	12,589	1,245	4,109	117	24,548	34.23	113
Georgian Bay									
Alliston	423.27 123.18 432.28 373.42 397.15	1,535 51 1,292 488 990	488 1,577	234 117	1,300 2,921 1,734		2,072 1,913 6,034 3,104 3,400	31.54 26.73 13.09	6 49 10 83 35
Hawkestone Huntsville Markdale Midland Orangeville.	387.70 377.13 544.19 382.18 410.53	728 457 1,732 928 1,212	681 1,154 638 658 828	212 133	309 2,746	5	3,412 2,857 2,896 4,467 2,572	15.59 7.85 9.35	7 132 7 95 3
Owen Sound Parry Sound Shelburne Stayner	812.09 246.31 666.86 324.98 436.00	2,113 196 2,027 983 1,307	1,256 725 290 742 796	111 164 151	1,702 310 17 3,122 815	$\begin{bmatrix} 1\\2\\ \dots\\4\\4 \end{bmatrix}$	5,422 1,344 2,498 5,002 3,113	6.80 1.29 6.01	68 177 3 3 12
Walkerton Wingham	763.74 611.99	2,603 2,095	723 605	274 250	417 398	8 3	4,025 3,351	22.64 21.49	38 58
Total	7,713.00	20,737	12,983	3,090	20,599	73	57,482	215.31	786

^{*} Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CUSTOMERS

as of December 31, 1951

Rural operating	Miles of			ber of c		rs		Not co	omplet- 1951*
areas by regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONT	ARIO SYST	'EM							
East Central Bancroft Belleville Bowmanville Brighton Cobourg	93.51 210.13 273.43 130.79 499.52	99 733 791 408 1,466	1,803 565	179 112 29	129 45 116 183 734	9 5 1 4	500 2,769 1,589 796 3,443	4.05 11.01 4.21	$\begin{bmatrix} 1\\21\\1\end{bmatrix}$
Fenelon Falls Frankford Kingston Lakefield Millbrook	499.35 385.94 655.73 289.85 177.32	824 1,253 1,857 519 516	491 785 2,180 598 208	386 142	2,023 166 619 737 58	7 1 12 1 1	3,491 2,366 5,054 1,997 841	18.00 9.19	3 44 47
Minden Napanee Norwood Oshawa Peterborough	295.14 514.87 259.17 249.22 258.84	333 1,689 657 838 981	946 276	272 77 226	1,244 194 506 251 536	3 6 3 28 8	2,999 3,107 1,519 3,699 3,008	7.67 13.27 5.43	43 42 17
Picton Tweed	422.20 404.07	1,620 852	987 678		472 328	4	3,315 2,005		
Total	5,619.08	15,436	15,784	2,843	8,341	94	42,498	179.22	687
Eastern Arnprior Brockville Carleton Place Delta Martintown	310.20 635.04 192.62 330.62 538.57	750 1,937 459 921 1,809	1,472 128 606	356 70 176	556 722 217 661 137	13 17 1 2 10	2,349 4,504 875 2,366 3,174	5.59 0.15 5.60	35 1 28
Ottawa Perth. Plantagenet Renfrew Winchester.	580.60 576.98 402.87 795.12 687.57	2,105 1,293 1,516 1,490 2,764	834 743 1,928	206 204 396	648 52 311	5 3 14	4,139	11.04 5.75 38.72	84 69 279
Total	5,050.19	15,044	10,953	2,614	3,676	103	32,390	94.73	566
THUNDER BAY S	SYSTEM								
Northwestern Thunder Bay Geraldton	700.14 18.63	1,661	1,546		405	6	3,873	39.51 3.97	
Total	718.77	1,661	1,546	255	405	6	3,873	43.48	329

^{*} Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1951

Rural operating	Miles of	receiving service					ed in 1951*		
areas by regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
NORTHERN ONT	CARIO PRO	PERTIE	cs						
Northeastern			- 4						
Cochrane Connaught Crystal Falls Manitoulin North Bay	196.12 278.90 275.73 452.60 427.72	437 616 642 689 766	791 1,158	141 151	56 128 59 370 748	9 4 11	1,420 1,662 1,647 2,584 4,003	25.15 33.69	18 221

4,705

961

738

781

391

241

179

13

11

6,176

2,189

2,414

99.69

30.29

35.51

319

241

329

195

276

968

984

373.21 435.42

554.87

Sudbury..... Timiskaming....

Total.....

Total.... 19,681 258.07 2,439.70 4.669 11,402 1.555 1.993 62 994 Northwestern 119.99 107.55 316.88 78 37 $\frac{3.70}{2.40}$ Dryden..... 178 47 539 1 2 4 Kenora Rainy River Sioux Lookout . . . 180 264 105 588 60 606 432 154 1,196 29.41 166 27 10.45 20 91

^{*} Miles of line and total customers, not included in preceding columns.

SUMMARY—MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING AREAS AT DECEMBER 31, 1951

System by	Miles of		Custom	iers rece	eiving se	ervice		Not cored in	
regions	line	Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERNONTARIO Western West Central Niagara Toronto Georgian Bay East Central Eastern	7,061 92 5,945 39 1,257 25 1,837 41 7,713 00 5,619 08 5,050 19	29,274 23,181 5,960 6,488 20,737 15,436 15,044	12,589 12,983 15,784	2,786 981 1,245 3,090 2,843	2,634 1,830 4,109 20,599 8,341	227 120 117 73 94	49,735 19,827 -24,548 57,482 42,498	103.73 39.43 34.23	266 49 113 786 687
Totals	34,484.24	116,120	110,967	17,232	47,336	983	292,638	779.64	2,687
THUNDER BAY	718.77	1,661	1,546	255	405	6	3,873	43.48	329
NorthernOntario Properties Northeastern Northwestern	2,439.70 554.87	4,669 984	11,402 968		1,993 179		19,681 2,414	258.07 35.51	994 241
Totals	2,994.57	5,653	12,370	1,831	2,172	69	22,095	293.58	1,235
Totals—All Systems	38,197.58	123,434	124,883	19,318	49,913	1,058	318,606	1,116.70	4.251

^{*} Miles of line and total customers, not included in preceding columns.

SUMMARY OF RURAL CONSTRUCTION Approved by the Commission from June 1, 1921 to December 31, 1951 Constructed or Under Construction

Constructed of Order Construction												
Systems	Miles of	Numb	per of cust	omers	Capital ex	penditure						
by regions	primary line	Farm	Non- farm	Total	Total	Provincial grant-in-aid						
SOUTHERN ONTARIO Western West Cental Niagara Toronto Georgian Bay East Central Eastern	7,174.91 6,049.12 1,296.68 1,871.64 7,928.31 5,798.30 5,144.92	29,389 23,324 5,978 6,518 20,892 15,602 15,271	36,989 26,677 13,898 18,143 37,376 27,583 17,685	66,378 50,001 19,876 24,661 58,268 43,185 32,956	\$ 23,389,368.86 20,560,701.60 5,395,745.97 7,339,452.64 24,115,983.03 18,117,089.31 16,381,647.12	\$ 11,541,446.86 10,225,289.35 2,663,839.68 3,637,139.39 11,910,444.07 9,010,002.95 8,131,391.27						
Totals	35,263.88	116,974	178,351	295,325	115,299,988.53	57,119,553.57						
THUNDER BAY Northwestern	762.25	1,695	2,507	4,202	2,548,754.45	1,274,281.81						
NORTHERN ONTARIO PROPERTIES Northeastern Northwestern	2,697.77 590.38	5,116 1,109	15,559 1,546	20,675 2,655	11,781,804.91 2,549,097.30	5,825,388.43 1,272,191.73						
Totals	3,288.15	6,225	17,105	23,330	14,330,902.21	7,097,580.16						
Totals—All Systems	39,314.28*	124,894	197,963	322,857	132,179,645.19	65,491,415.54						

*These totals include 1,116.70 miles of primary line under construction on December 31, 1951 and service to 4,251 (consisting of 1,460 farm and 2,791 non-farm) new customers not completed until after the end of the fiscal year.

During previous years the figures published in this statement represented the summation of all estimates since the beginning of rural operation. As the Commission was able in a large number of cases to construct these lines for a sum lower than the original estimate, it is now deemed advisable to show the actual cost for all years, 1921 to 1951. Included in these figures is an estimate of the cost of completing lines partially constructed in 1951.

RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND NEW CLASSIFICATION. COMPARABLE FIGURES FOR EARLIER YEARS NOT AVAILABLE

Hamlet and House Lighting Service

Year	Annual revenue	Kilowatt-hours consumed	Number of customers billed*	Average revenue per kwh	Average monthly bill	Average monthly consump- tion
1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940	\$ 530,407.00 663,311.00 757,558.00 974,224.17 1,075,081.03 1,133,368.70 1,149,876.67 1,171,873.28 1,239,010.83 1,331,919.46 1,439,681.39 1,649,496.29 1,812,550.53	kwh 10,702,031 14,424,770 17,815,987 22,127,474 24,654,386 25,410,470 27,768,460 30,802,290 35,666,241 40,935,040 47,612,820 54,787,544 60,839,240	17,585 21,219 25,013 31,176 33,368 35,941 37,466 39,751 43,014 46,785 52,514 58,328 62,973	cents 4.95 4.60 4.25 4.40 4.36 4.46 4.14 3.80 3.47 3.25 3.02 3.01 2.98	\$ 2.51 2.85 2.73 2.88 2.76 2.70 2.61 2.53 2.49 2.47 2.42 2.36 2.40	kwh 50.7 62.0 64.2 65.6 63.3 60.1 63.0 66.5 71.8 76.0 79.9 78.3 80.5
1941 1942 1943	1,912,330.33 1,995,468.46 2,118,911.57 2,170,221.41	67,587,082 72,613,472 73,980,871	67,939 69,766 70,919	2.95 2.92 2.93	2.45 2.56 2.57	82.9 87.9 87.6

Farm Service

Year	Annual revenue	Kilowatt-hours consumed	Number of customers billed*	Average revenue per kwh	Average monthly bill	Average monthly consumption
1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943	\$ 569,007.00 777,736.00 863,805.00 1,128,554.28 1,255,482.13 1,309,122.96 1,319,922.69 1,343,222.39 1,385,784.39 1,366,484.50 1,711,788.81 2,090,259.14 2,405,092.40 2,690,250.37 2,870,300.31 2,934,011.31	kwh 10,969,828 16,022,842 20,507,063 25,716,141 28,675,400 30,062,194 33,312,314 37,667,453 45,447,669 54,858,240 67,886,882 81,613,087 93,859,719 107,061,610 116,448,363 121,428,714	9,309 12,605 16,011 20,796 22,432 23,283 23,882 25,357 28,198 35,508 44,565 53,240 58,728 63,304 63,748 64,292	cents 5.18 4.85 4.21 4.39 4.38 4.35 3.96 3.57 3.05 2.49† 2.52† 2.56† 2.56† 2.51 2.46 2.42	\$ 4.97 5.85 5.03 5.11 4.84 4.75 4.66 4.55 4.31 3.57 3.56 3.56 3.41 3.54 3.75 3.81	kwh 96 121 119 116 110 109 118 128 141 144 139† 133† 141 152 158

^{*} See footnote to table on page 61

[†] In the period 1937 to 1940, there was an increase in the statistical average revenue per kilowatt-hour and a decrease in the statistical average monthly consumption per customer. Actually there was a great increase in the use of electricity by nearly all individual Hydro customers and a corresponding decrease to each customer in the average cost per kilowatt-hour. But due to the tremendous growth at that time in new customers, who for the first few years were not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new customers when averaged with the increased use of the older customers produced per customer averages which obscured the true trends of individual growth in use and individual reductions in costs.

APPENDIX IV

ENGINEERING AND CONSTRUCTION

Contents:

- 1. A list of station projects, in addition to those described in Section V, which were completed or under construction in 1951.
- 2. Table showing changes in transformer capacity during the year ended December 31, 1951.
- 3. Summary table of transformer step-down capacity at December 31, 1951.
- 4. A section relating to power system auxiliaries—telephone, power-line carrier, and radio facilities.
- 5. Summary table of transmission lines and circuits at December 31, 1951.

INCREASE IN TRANSFORMER AND DISTRIBUTING STATION CAPACITY

Transformer Stations

The table on page 347 records the changes in transformer capacity made during the year. In addition to information given there, the table of transformer stations below shows the total capacity of some of the more important installations which were completed or under construction during the year.

Transformer station	Capacity	Frequency
	kva	cycles
Completed in 1	951	
Kapuskasing	8,000	60
Owen Sound	15,000	60
Seaforth	16,000	60
Toronto-John	60,000	25
Windsor-Crawford	54,000	60
Under Construc	ction	
Belleville	25,000	60
Brantford	25,000	60
Brockville	30,000	60
Dryden	16,000	60
Hamilton-Kenilworth	100,000	60
Hanover	30,000	60

The table below shows the net additional capacity installed in some of the larger 115-kv transformer stations which were completed in 1951. For those under construction the capacity of the station is given.

Station	Frequency	Completed in 1951	Under construction
	cycles	Net additional capacity—kva	Capacity—kva
Caledonia	25		8,000
Cooksville		8,000	
Ross L. Dobbin	60	85,000	
Dundas	25		15,000
Essex	60		50,000
Hamilton Beach			30,000
Kent	25	24,000	
	60	15,000	
Kingsville	-25	8,000	
Kirkland Lake		8,000	
Kitchener		15,000	
London	60	48,900	
A. W. Manby		5, 000	
Palmerston			8,000
St. Catharines		27,000	
St. Marys	60	16,000	
St. Thomas	60		14,400
Toronto-Fairbank	60	14,500	
	25/60		25,000/45,000
Wallaceburg	60	14,400	

Distributing Stations

New distributing stations and increases in capacity at existing stations have been made during 1951 as follows:

Statio		New station capacity_	Net increased capacity in existing stations
No.		kva	kva
15 18	Niagara Division		16,850
3	Georgian Bay Division		7,550
4 8	Eastern Division		6 ,7 50
2 3	Thunder Bay System Northern Ontario Properties	. 8,000	
1	Northern Ontario Properties	·	550 ————
60	Total	. 52,250	31,700

27 miles

Lines

The following 115-kv lines, in addition to those reported elsewhere, were placed in service in 1951:

From Owen Sound Transformer Station to Hanover	
Transformer Station	29 miles
	38 miles

FACILITIES TO RECEIVE 60-CYCLE POWER IN ADVANCE OF FREQUENCY STANDARDIZATION

WESTERN, WEST CENTRAL, NIAGARA, AND TORONTO REGIONS

From Devizes Junction to Seaforth Transformer Station

In these four regions of the Southern Ontario System a number of electrical engineering projects briefly referred to on page 89 of this Report were completed or under construction. Details on these are given below:

Cyanamid

An additional 25,000-kva, 3-phase, 115/13.2-kv transformer was placed in service in May 1951.

Merritton

One 25,000-kva, 3-phase, 115/13.2-kv transformer is expected to go in service in May 1952.

Niagara Construction Power

One 25,000-kva, 3-phase, 115/13.2-kv transformer was placed in service in December 1951. The second 25,000-kva transformer is expected to go in service in July 1952.

Toronto-Strachan

Three 6,000/10,000-kva, single-phase, 25/60-cycle transformers were placed in service on August 18, 1951 at 60 cycles. In addition, the 15,000-kva, 25-cycle permanent bank No. 5 was changed in July 1951 to 60-cycle operation with the same capacity. No 4 permanent bank at this station is being dealt with similarly and is expected to be placed in service in 1952 at 60 cycles.

Toronto-Thorncliffe

Two 15,000-kva, 3-phase, 115/13.2-kv transformers were ready for service at Toronto-Thorncliffe Transformer Station in December 1951.

Toronto-Wiltshire

Two permanent 18,000/32,400-kva, 25/60-cycle transformer banks, which have been in service at 25 cycles, were changed to 60-cycle operation

in November 1951. A new 30,000-kva, 25-cycle, 115/13.2-kv transformer bank was placed in service in October 1951.

Welland Junction

Three 6,000-kva, single-phase, 44/26.4-kv transformers were placed in service in July 1951.

Temporary Transformer Stations

At the following temporary transformer stations 60-cycle transformers were placed in service, or were being installed as noted.

Station	Capacity	Voltage	In service
	kva	kv	
Brantford	8,000	115/26.4	September
Galt	15,000	115/26.4	September
Guelph	15,000	115/13.2	November
Kent	15,000	115/26.4	July
Kitchener	15,000	115/13.2	October
Stratford	15,000	115/26.4	January 1952
Woodstock	15,000	115/26.4	July

At Galt, Kitchener, and Woodstock a second bank is now being installed.

Lines

In order to supply 60-cycle power to stations in the Niagara Region numerous line changes and reconnections were made in the area between Hamilton and Niagara Falls. The source of power was Burlington Transformer Station.

Service in the Western and West Central Regions required the construction of approximately 37 miles of 115-kv, 60-cycle line and certain low-voltage lines. The 60-cycle power is obtained from Burlington and E. V. Buchanan Transformer Stations.

In order to supply Toronto-Thorncliffe Transformer Station a 115-kv, 60-cycle circuit was erected on existing towers from Scarborough Frequency-Changer to the transformer station.

CHANGES IN TRANSFORMER CAPACITY DURING YEAR ENDED DECEMBER 31, 1951

Station Type	Date		Transf insta			Transformers		
Station Type	Date	no	kva	ph	total kva	no	kva	
Southern Ontario System Alvinston D.S. Appin D.S. Aurora No. 1 D.S. Barry's Bay No. 2 D.S. Bass Lake D.S.	Jan. 3 Jul. 29 Jul. 10 Dec. 20 Jun. 27	3 3 3 3	600/1,080 667 333 667	1 1 1 1	3,240 2,000 1,000 2,000	3 3 3	600/1,080 333 500	
Battersea D.S. Bayfield D.S. Beaumaris D.S. Best D.S. Blenheim No. 1 D.S.	Jul. 10 Jun. 15 Jun. 24 Aug. 16 May 27	1 1 3 1	1,000 1,000 333 2,000	1 3 1 3	1,000 1,000 1,000 2,000	3	250	
Blenheim No. 2 D.S. Blenheim No. 2 D.S. Bobcaygeon D.S. Bolton D.S. Brantford T.S.	May 6 May 20 Jul. 11 Jul. 29 Sep. 23	3 1 3 3 1	667/1,200 1,000/2,000 100 450 8,000	1 3 1 1 3	2,000/3,600 1,000/2,000 300 1,350 8,000		333	
Broughdale D.S. Burlington T.S. Burlington No. 2 . D.S. Burlington No. 2 . D.S. Burlington Beach . D.S.	Sep. 23 Mar. 5 Aug. 26 Aug. 28 Mar. 21	1 2 1 3	2,000/3,600 90,000 3,000 500	1 3 3 	3,600 180,000 3,000 1,500	1 3 3	2,000/3,600 250 150	
Byron D.S. Centralia D.S. Chalk River T.S. Chatham-Raleigh D.S. Cooksville T.S.	Jul. 9 Sep. 10 Aug. 26 Sep. 19 Jun. 1	1 3 3 3 1	2,000/3,600 667/1,200 1,500 667/1,200 8,000	1 1	2,000/3,600 3,600 4,500 2,000/3,600 8,000	3	667/1,200	
Corunna D.S. Cyanamid T.S. Dain City D.S. Dainsville D.S. Delaware D.S.	Mar. 4 May 14 Apr. 15 Jul. 1 Jun. 27	3 1 1 	667 25,000 2,000/3,600 667/1,200		2,000 25,000 2,000/3,600 3,600	3 3 3	150 150 667/1,200	
Delhi No. 2 D.S. Ross L. Dobbin T.S. Ross L. Dobbin T.S. Dresden No. 2 D.S. Durham D.S.	Apr. 19 Jan. 21 Mar. 3 Aug. 19 Jun. 25	3 1 1 3 1	667/1,200 15,000 78,000 333/600 2,000	3	2,000/3,600 15,000 78,000 1,000/1,800 2,000		600	
EssaT.S. Etobicoke Twp.	Jul. 1	1	54,000	3	54,000			
No. 2. D.S. Etobicoke Twp.—	Aug. 21	1	3,000	3	3,000			
RosethorneD.S. Etobicoke Twp.—	May 11	1	3,000/6,000				2,000 /3,600	
WestmountD.S. Exeter No. 1D.S.	Feb. 28 Oct. 19	3	2,000/3,600 250	3	2,000/3,600 750	3	150	
Exeter No. 2 D.S. Fonthill D.S. Galt T.S. Galt D.S. Glen Williams D.S.	Jun. 29 Sep. 30 Aug. 1 Sep. 30 Jan. 18	1 3 1 3 3	1,000/1,800 667/1,200 15,000 667/1,200 667/1,200	3	1,800 2,000/3,600 15,000 2,000/5,400 2,000/3,600	3	1,000/1,800 333 333	

CHANGES IN TRANSFORMER CAPACITY DURING YEAR ENDED DECEMBER 31, 1951

Ctation	Type	Data		Transformers installed			7	Transformers removed
Station	Туре	Date	no	kva	ph	total kva	no	kva
Southern One System— Grand Bend Grantham T	Continued	Jul. 10	3	600	1	1,800	3	333
Burtch Gravenhurst Guelph Guelph	T.S.	Jul. 15 May 3 Aug. 16 Nov. 18	3 1 1 1	667/1,200 667 15,000 2,000/3,600	1 3	2,000/3,600 2,000 15,000 2,000/3,600		200
Green Creek Haliburton. Hamilton—H	D.S.	Dec. 29 Jan. 14	3 3	1,000 667	1	3,000 2,000	3	333
worth Hamilton—I	T.S.	Nov. 8	2	25,000	3	50,000		
worth Hamilton Be	<u>T</u> .S.	Sep. 4 Jul. 6	$\begin{vmatrix} 1\\2 \end{vmatrix}$	25,000 15,000	3	25,000 30,000		
Hinchinbrool Kent Kent Kent Kincardine N	T.S. T.S. T.S.	Jul. 10 Nov. 25 Jul. 9 Apr. 24 Jun. 19	3 2 1 1 3	500 8,000 15,000 8,000/14,500 667	1 3 3 1	1,500 16,000 15,000 8,000/14,500 2,000	3	200
Kingsville Kitchener Kitchener Lincoln London	T.S. T.S. D.S.	Oct. 14 Aug. 31 Oct. 29 May 1 Jan. 8	1 3 1	8,000/14,400 5,000 8,000/14,500 10,500	3 1 3 	8,000/14,400 15,000 8,000/14,500 	 1 3 3	600 250 5,000
London London—Hu London—Tra Malton A. W. Manby	ron D.S. nfalgar D.S. D.S.	May 2 Jan. 28 Sep. 23 Dec. 1 Sep. 22	3 3 6 3	6,000/10,800 333/600 667/1,000 333 10,000	1 1 1 1 1	18,000/31,400 1,000/1,800 3,600 2,000 30,000	1 3 6 1	5,000 667/1,200 150 25,000/45,000
Marmora Meadowvale Merritton Norwood Odessa	A.T.S. D.S. D.S.	Jul. 22 May 3 Mar. 4 Jan. 2 Sep. 28	3 2 3 1	200 5,000/6,667 333 2,000	1 3 1 3	600 10,000/13,334 1,000 2,000	1 2 	100 5,000 300
Oil Springs Owen Sound. Owen Sound Painswick Parkhill	No. 2.D.S. D.S.	Dec. 2 Oct. 14 Jul. 27 Jul. 5 Dec. 10	3 3 3 3 3	450 5,000 667 667 600	1 1 1 1 1	1,350 15,000 2,000 2,000 1,800	3 3 1	250 200 150 600
Perth No. 2. Plantagenet	D.S.	Jul. 18	3	333/600	1	1,000/1,800	3	200
Springs Plymouth Co Plymouth Co Port Nelson I	rdage.D.S. rdage.D.S.	Aug. 22 Jul. 28 Jul. 28 May 29	3 1 	667 1,500 2,000/3,600	1 3	2,000 1,500 2,000/3,600	3	333. 300
Port Robinso Port Stanley Preneveau Rockwood No St. Catharine	nD.S. No. 2.D.S. A.T.S. o. 2D.S.	Sep. 30 Aug. 9 Jan. 26 Mar. 16 May 13	3 1 1 3	333 600 1,000 250 15,000/27,000	1 3 3 1	1,000 600 1,000	3	150 25

CHANGES IN TRANSFORMER CAPACITY DURING YEAR ENDED DECEMBER 31, 1951

Station Type	Date	Transformers installed					Transformers		
, and the second		no	kva	ph	total kva	no	kva		
Southern Ontario System—Continued St. Jacobs. D.S. St. Marys. T.S. St. Thomas. T.S. St. Thomas. D.S. Scarborough	Jul. 20 Mar. 8 May 3 Jun. 15	1 2 2 3	600 8,000 5,000 667/1,200	3 3 3 1	600 16,000 10,000 2,000/3,600	3	250		
F.C. & T.S.	Sep. 15	1	25,000	3	25,000				
Science Hill D.S. Seaforth D.S. Sharon D.S. Shelburne No. 2 D.S. Stouffville D.S.	Oct. 14 Apr. 23 Apr. 30 Sep. 16 Jan. 4	1 2 1 1	2,000 8,000 1,000 1,000	3 3 3	2,000 16,000 1,000 1,000	3	1,000/1,800		
Strathroy D.S. Stratford D.S. Sulphide D.S. Thorndale D.S. Thorold T.S.	May 6 Nov. 18 Dec. 14 Oct. 31 Aug. 31	3 1 1 1 	333/600 1,000/2,000 300 1,000/1,800	1 3 3 3	1,800 1,000/2,000 300 1,800	3 1 3	333/600 1,000/1,800 5,000		
Toronto-FairbankT.S. Toronto-JohnT.S. Toronto-StrachanT.S. Toronto-ThorncliffeT.S. Toronto-WiltshireT.S.	May 14 Dec. 21 Jul. 14 Dec. 20 Oct. 30	1 1 3 2 3	8,000/14,500 15,000/27,000 6,000/10,800 15,000 10,000/18,000	3 1 3	8,000/14,500 15,000/27,000 18,000/32,400 30,000 30,000/54,000				
Toronto Power T.S. Unionville D.S. Wallaceburg T.S. Warkworth D.S. Waterloo D.S.	Jul. 28 Jan. 24 Nov. 18 Jul. 26 Oct. 21	3 1 1 3	667/1,200 8,000/14,400 1,000 500	1 3 3 1	2,000/3,600 8,000/14,400 1,000 1,500	3 3 1 3	6,000 667/1,200 300 250		
Waubaushene No. 2D.S. Welland Junction	Feb. 28	1	1,000	3	1,000				
No. 1 T.S. Wellesley D.S. Wheatley D.S. Willowdale D.S.	Jul. 28 Oct. 28 Feb. 15 Feb. 28	3 1 1 	6,000 2,000/4,000 1,000/1,800	1 3 3	18,000 2,000/4,000 1,000/1,800	1 1 1	600		
Winchester No. 1. D.S. Windsor-Crawford T.S. Windsor-Malden D.S. Woodstock T.S. Woodstock-Zorra D.S.	Sep. 5 Jul. 16 Sep. 14 Jul. 19 Aug. 7	1 1 3 1 3	2,000 15,000/27,000 667/1,200 15,000 333/600	3 1 3 1	2,000 15,000/27,000 2,000/3,600 15,000 1,000/1,800	3	333		
Thunder Bay System MacdiarmidD.S. North Bay No. 2D.S.	Dec. 20 Sep. 21	1 3	100 333	1	100 1,000				
Northern Ontario Properties AtikokanD.S. DrydenT.S. KapuskasingT.S. Kirkland LakeT.S. Little CurrentD.S.	May 31 Apr. 23 Dec. 16 Dec. 10 Apr. 1	3 2 1 1 3	333 8,000 8,000 8,000 667	1 3 3 3 1	1,000 16,000 8,000 8,000 2,000	3 3	150		
Ramore No. 1 D.S. Timmins No. 1 D.S.	Apr. 20 Jun. 28	3	1,667	1	5,000	6	25		

TOTAL TRANSFORMER STEP-DOWN CAPACITY

	-	Capacity			
System and voltage Frequency		Total at Dec. 31, 1950	Net additions 1951	Total at Dec. 31, 1951	
Southern Ontario System	cycles	kva	kva	kva	
230,000-volt 230,000-volt 115,000-volt 115,000-volt 44,000-volt 44,000-volt 26,400-volt 26,400-volt 22,000-volt 22,000-volt 13,200-volt 13,200-volt Less than 13,200-volt	25 60 25 60 60 66 ² / ₃ 60 25 60 60 66 ² / ₃ 25 60	900,000 330,000 1,640,850 457,350 196,850 7,750 11,720 268,525 74,500 9,150 6,510 83,075 350 9,250	304,000 88,000 539,200 36,804 19,600 61,090 1,400	900,000 634,000 1,728,850 996,550 233,654 7,750 11,720 288,125 135,590 10,550 6,510 83,075 350 9,550	
THUNDER BAY SYSTEM 115,000-volt	60 60 60	93,750 1,200 4,000	1,100	93,750 2,300 4,000	
132,000/115,000-volt 132,000/115,000-volt 69,000-volt 44,000-volt 26,000-volt 22,000-volt 12,000-volt 12,000-volt Less than 12,000-volt Less than 12,000-volt	25 60 60 25 60 25 60 25 60 25 60 25 60	202,270 64,000 3,750 24,500 29,734 52,235 9,650 11,325 11,300 825 12,775	32,000 1,950 4,850	202,270 96,000 3,750 24,500 31,684 57,085 9,650 11,325 11,300 825 12,775	

POWER SYSTEM AUXILIARIES Changes and Additions Made During the Year Ended

December 31, 1951

SOUTHERN ONTARIO SYSTEM

Telephone

Auxiliary telephone-control cables were installed from Richard L. Hearn Generating Station to Scarborough Generating Station, and from this station to the Toronto Hydro-Electric System's Station E and Toronto-Leaside Transformer Station. Similar cables were installed between J. Clark Keith Generating Station, Windsor-Crawford Transformer Station, and Essex Transformer Station. Smaller telephone-control cables were installed between Sarnia and St. Clair Transformer Stations, Essa and Barrie Transformer Stations, and between Hamilton Beach and Hamilton-Kenilworth Transformer Stations.

One hundred and forty-four circuit miles of telephone line were erected along with eighty circuit miles of rehabilitation line for power-system operation. Administrative and operational channels were superimposed on telephone circuits between Des Joachims Generating Station and Minden Switching Station, Chenaux Generating Station and Chats Falls Transformer Station, and between Burlington and Toronto-Wiltshire Transformer Stations. Telemetering channels were established on existing telephone circuits between Stewartville Generating Station and Chats Falls Transformer Station, between London and Toronto-Strachan Transformer Stations, and between Toronto-Leaside and Oshawa Transformer Stations.

Switching facilities for telephone interconnections were installed at Des Joachims, Chats Falls, Chenaux, Richard L. Hearn, and J. Clark Keith Generating Stations. Similar facilities were installed at the Eastern and Georgian Bay Regional Offices; the E. V. Buchanan, Sarnia, Scarborough, and Toronto-Strachan Transformer Stations; and at Minden Switching Station.

Power-line Carrier

Power-line carrier telemetering was established from Merivale Switching Station to Chats Falls Generating Station, and from Cornwall Transformer Station to Merivale Switching Station. Telemetering and load control channels were established between Des Joachims Generating Station and A. W. Manby Transformer Station.

Single power-line carrier-relay-protection-channels were established between Minden Switching Station and Burlington Transformer Station, Essa and E. V. Buchanan Transformer Stations, Ross L. Dobbin and Scarborough Transformer Stations, Chats Falls Generating Station and Merivale Switching Station, Merivale Switching Station and Cornwall Transformer Station, and between Chats Falls and Paugan Generating Stations. Two power-line carrier-relay-protection-channels were established between Minden Switching Station and Essa Transformer Station.

Radio

To provide emergency service for high-voltage transmission lines in the Southern Ontario System, six frequency-modulation stations were established at Stratford, Barrie, Eugenia, Belleville, Barrett Chute, and Smiths Falls. This brings the total number of fixed stations in the mobile radio network to sixteen. The number of radio-equipped line-maintenance trucks in use throughout the Southern Ontario System was increased from sixty-nine to seventy-five. A new radio station was established at Ellesmere, and the Toronto radio stations formerly located at Scarborough and Fairbank are now located there.

THUNDER BAY SYSTEM

In the Thunder Bay System, a voice circuit was superimposed on the telephone circuit between Ear Falls Generating Station and Dryden Transformer Station. From Dryden Transformer Station to Moose Lake Transformer Station, a power-line carrier-channel for voice was established. Power-line carrier-relay-channels were established between Pine Portage Generating Station and Alexander Switching Station, and between Pine Portage Generating Station and Fort William Transformer Station. Small telephone switchboards were installed at Moose Lake Transformer Station and Aguasabon Generating Station.

NORTHERN ONTARIO PROPERTIES

Telephone-control cables were installed between the North Bay Area Office and the Northeastern Regional Office, North Bay Municipal Station No. 3 and North Bay Transformer Station, and between North Bay Transformer Station and the Northeastern Regional Office.

Eighty-two circuit miles of telephone line were erected along with forty-five miles of rehabilitation line. Supervisory and operational carrier circuits were established between R. H. Martindale Transformer Station and Crystal Falls Generating Station, Crystal Falls Generating Station and the Northeastern Regional Office, and between this point and the Otto Holden Generating Station.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and valters	Kind of struc- tures	Line route or structure miles			Circuit miles
System and voltage		Total at Dec. 31, 1950	Net additions 1951	Total at Dec. 31, 1951	Total at Dec. 31, 1951
SOUTHERN ONTARIO SYSTEM 230.000-volt	steel steel wood steel wood steel wood	2,270.05 1,351.49 640.19 20.00 0.25 96.57 3,488.32	70.74 135.97 0.25* 4.21 181.43	2,270.05 1,422.23 776.16 20.00 0.00 100.78 3,639.75	2,693.40 2,146.10 780.86 21.13 0.00 141.41 4,113.74
115,000-vclt. 115,000-volt. 44,000-volt and less.	steel wood	224.06 189.17 167.63	0.02	224.06 189.17 167.65	371.53 189.17 205.88
NORTHERN ONTARIO PROPERTIES 132,000-volt 132,000-volt 115,000-volt 115,000-volt 69,000-volt 44,000-volt and less Totals.	steel wood steel wood wood	384.33 242.47 74.54 377.20 203.72 1,114.36	1.83 20.37 99.48 36.39 550.19†	386.16 262.84 74.54 476.68 203.72 1.150.75 11,334.54	772.32 262.84 141.13 476.68 203.72 1,233.58 13,753.49

^{*} Removals.

Note: Circuit miles of 230,000-volt line in the Province of Quebec connected to H-E.P.C. lines=103.47 miles, making a total system interconnected mileage of 2,796.87.

The figure 3,488.22 representing total route miles of line at 44,000-volt and less on wood pole structures in the Southern Ontario System has been revised since the publication of the 1950 report to exclude 13.05 miles actually completed in 1951. The total mileage has been adjusted accordingly.

[†] Net increase.

APPENDIX V—LEGISLATIVE

A T THE 1951 Session of the Legislative Assembly of the Province of Ontario four Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Niagara Development Act, 1951, Chapter 55
The Niagara Development Agreement Act, 1951, Chapter 56
The Power Commission Amendment Act, 1951, Chapter 67
The Rural Telephone Systems Act, 1951, Chapter 80.

ACTS CHAPTER 55

An Act to facilitate the Development of Power on the Niagara River

Assented to March 21st, 1951.

Session Prorogued April 5th, 1951.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. In this Act,

Interpretation.

- (a) "Commission" means The Hydro-Electric Power Commission of Ontario:
- (b) "land" means real property of whatsoever nature or kind and includes tenements, hereditaments and appurtenances, and any estate, term, easement, right or interest in, to, through, over, under, along upon, across or affecting land;
- (c) "owner" includes mortgagee, lessee, tenant, occupant, any person entitled to a limited estate or interest, and a guardian, committee, executor, administrator or trustee in whom land or any property or interest is vested:

- (d) "power" includes electrical, pneumatic, hydraulic, mechanical, atomic, steam, gas or other power and includes energy;
- (e) "supply" includes delivery, dealing in, and sale;
- (f) "works" includes all property, plant, machinery, buildings, erections, constructions, installations, materials, devices, fittings, apparatus, appliances and equipment for the generation, transformation, transmission, distribution, delivery, sale or use of power.

Power of Commission,

to divert waters and generate power;

to construct

to connect with other works;

to transmit and deliver power;

to acquire from The Ningara Parks Commission;

to acquire lands and works;

2. The Commission may,

- (a) divert the waters of the Niagara and Welland rivers and tributary waters or any of them and by the use of these waters, or by coal, steam, or oil or by any other means, generate power and use, transform, transmit, convert, distribute, deliver, make available for use, sell and supply it;
- (b) construct, install, maintain and operate works and roads required for or incidental to the diversion of the waters of the Niagara and Welland rivers and tributary waters or any of them and to the generation of power by the use of these waters, or by coal, steam, or oil or by other means and to its use, transformation, transmission, conversion, distribution, delivery, availability for use or supply;
- (c) connect any of the works constructed or installed under clause b with any other power works or systems;
- (d) transmit, transform, distribute and deliver power generated under clause a to or from or for any person at any place, through, over, under, along, upon or across any land, public highway or public place, stream, water, watercourse, bridge, viaduct or roadway and through, over, under, along, upon or across the land of any person;
- (e) acquire for the purposes of this Act from The Niagara Parks Commission by purchase, lease or otherwise as may be agreed upon, land, water, water privileges, water powers, roads, buildings and works and use, utilize, develop and improve them;
- (f) acquire for the purposes of this Act by purchase, lease or otherwise from persons other than The Niagara Parks Commission, or without the consent of the owner, other than The Niagara Parks Commission, enter upon, take possession of, expropriate and use land, waters, water privileges, water powers, access and other roads, buildings, and works and use, utilize,

develop and improve them, and upon such terms as it deems proper, sell, lease or dispose of such of them as it deems are no longer necessary for its purposes;

- (g) acquire for the purposes of this Act, by purchase, to acquire or otherwise, water, coal, steam, oil, material, equipment and other supplies.
- 3. Notwithstanding anything in any other Act, where any Continuance right, interest, way, privilege, permit or easement is acquired by ments. the Commission in, through, over, under, along, upon, across or affecting any land, unless it is otherwise agreed, the land shall continue subject thereto and it shall be binding upon the owner and all subsequent owners of the land until released by the Commission.
- 4. For the purposes of clause d of section 2, the Commission Exercise of may exercise the same powers as are set forth in subsection $2_{\text{entry.}}^{\text{entry.}}$ of section 32 of *The Power Commission Act*, and thereupon sub-c. 281 sections 3 to 11 of that section shall apply.
- 5.—(1) In relation to all matters authorized by this Act, Commission except acquisition from The Niagara Parks Commission, the powers of Commission shall have and may exercise and enjoy, in addition Public to the powers conferred upon it by this and any other Act, all the Works. powers conferred upon the Minister of Public Works in relation Rev. Stat., to a public work by *The Public Works Act*, and in the application c. 323. of this section, where the words "the Minister", "the Department" or "the Crown" appear in that Act, they shall, where the context permits, mean the Commission.
- (2) Upon the deposit in the proper registry or land titles Mode of perfecting office of a plan and description of the land required by the Com-title mission, signed by the secretary or by an Ontario land surveyor, the land so described shall thereupon become and be vested in the Commission.
- (3) Except as otherwise provided in this Act, the Commission Procedure shall in the exercise of its compulsory powers authorized by this Act, proceed in the manner provided by *The Public Works Act*, where the Minister of Public Works takes land or property for the use of Ontario, and all the provisions of that Act with respect to the fixing, payment and application of compensation shall apply *mutatis mutandis*.
- (4) Subsection 6 of section 24 of *The Power Commission* $_{c.\,28l,\,s.\,24,}^{Rev.\,Stat...}$ *Act* shall apply to proceedings under this section.
- (5) No act or proceeding of the Commission under this section Action of shall be restrained by injunction or other process or proceeding not to be restrained.
- **6.** The purposes and objects of this Act shall be purposes ^{General} and objects of the Commission under section 12 of *The Power*

Commission Act and any liabilities of the Commission heretofore incurred and any expenditure of funds by the Commission heretofore made therefor are ratified and confirmed.

Additional powers.

Rev. Stat., c. 281. 7. For the purposes of this Act, the Commission may, in addition to exercising any of the powers conferred upon it by this Act, exercise any of the powers conferred upon it by *The Power Commission Act*, but nothing in that Act shall in any way limit or restrict the exercise of the powers conferred upon by the Commission by this Act.

Conveyance from The Niagara Parks Commission.

8. Subject to the approval of the Lieutenant-Governor in Council, The Niagara Parks Commission may execute and deliver to the Commission such conveyances, leases or other documents as may be necessary for the purposes of clause e of section 2.

Extent of operation of Act.

9. The exercise of the powers conferred by or under the authority of this Act, or any of them, shall not be deemed to be a making use of the waters of the Niagara River to generate electric or pneumatic power within the meaning of any stipulation or condition contained in any agreement entered into by the commissioners for the Queen Victoria Niagara Falls Park or The Niagara Parks Commission, whether the diverted water is used in or by plants or works heretofore constructed or in or by other plants or works.

Commencement. 10. This Act shall come into force on the day it receives the Royal Assent.

Short title

11. This Act may be cited as The Niagara Development Act, 1951.

CHAPTER 56

An Act to approve an Agreement between Canada and Ontario respecting the Development of the Niagara River

Assented to April 5th, 1951. Session Prorogued April 5th, 1951.

H IS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Can.-Ont. agreement approved. 1. The agreement made the 27th day of March, 1950, between the Government of Canada and the Government of Ontario, set out as the Schedule to this Act, is approved.

- 2. This Act shall come into force on the day it receives the $_{\rm ment.}^{\rm Commence}$ Royal Assent.
- 3. This Act may be cited as The Niagara Development Agree-Short title. ment Act, 1951.

SCHEDULE

AGREEMENT BETWEEN CANADA AND ONTARIO

AGREEMENT made this 27th day of March, 1950.

BETWEEN:

The Government of Canada, herein represented by The Right Honourable LOUIS S. ST. LAURENT,

OF THE FIRST PART.

-and-

The Government of Ontario, herein represented by The Honourable Leslie M. Frost,

OF THE SECOND PART.

Whereas a treaty hereinafter referred to as the Niagara Diversion Treaty has now been signed by the Government of Canada and the Government of the United States of America to supplement the Boundary Waters Treaty of 1909 and amend Article V of that Treaty with respect to the diversion of water from the Niagara River and the division of diverted water between the United States of America and Canada; and

WHEREAS it is desirable that an Agreement be made between Canada and Ontario in respect of the utilization of the flow of the waters of the Niagara River to be in accordance with the Niagara Diversion Treaty:

Now THEREFORE This Agreement Witnesseth:

ARTICLE I

This Agreement is conditional upon the ratification of the Niagara Diversion Treaty by Canada and the United States of America.

ARTICLE II

Ontario undertakes to construct the Canadian portion of such remedial works in the Niagara River as may be agreed upon by Canada and the United States of America pursuant to Article II of the Niagara Diversion Treaty and to pay the Canadian share of the cost of the remedial works constructed pursuant to that Article. Canada undertakes to consult Ontario before giving approval to such recommendations as the International Joint Commission may make as to the nature and design of such remedial works.

ARTICLE III

Canada, without delay, will authorize and make available to Ontario such diversions of the water specified in Article III of the Niagara Diversion Treaty, for power purposes, as Canada is from time to time enabled to authorize under the terms of said Treaty.

ARTICLE IV

Ontario undertakes to make provision for the disposition of claims and for the satisfaction of any valid claims arising out of the damage or injury to persons or property occurring in Canadian territory in connection with the construction and operation of any of the works authorized or provided for by this Agreement.

ARTICLE V

This Agreement is made subject to its approval by the Parliament of Canada and by the Legislature of the Province of Ontario. If, however, the Niagara Diversion Treaty has not come into force within two years from the date of this Agreement,

either party hereto may, by written notice to the other, forthwith cancel this Agreement.

IN WITNESS WHEREOF the Right Honourable LOUIS S. ST. LAURENT has hereunto set his hand on behalf of Canada and the Honourable LESLIE M. FROST has hereunto set his hand on behalf of Ontario; both upon the twenty-seventh day of March, in the year of Our Lord one thousand nine hundred and fifty.

LOUIS S. ST. LAURENT. LESLIE M. FROST.

CHAPTER 67

An Act to amend The Power Commission Act

Assented to (except section 1) March 21st, 1951.

Section 1 assented to April 5th, 1951.

Session Prorogued April 5th, 1951.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat., c. 281, s. 7, subs. 1, amended. 1.—(1) Subsection 1 of section 7 of *The Power Commission Act* is amended by striking out the word "five" in the second line and inserting in lieu thereof the words "not more than nine", so that the subsection shall read as follows:

Advisory Council.

(1) The Ontario Hydro-Electric Advisory Council shall continue, and shall consist of not more than nine members appointed by the Lieutenant-Governor in Council each of whom shall hold office for two years from the date of his appointment or such other period as the Lieutenant-Governor in Council may prescribe and every such member shall be eligible for reappointment.

Rev. Stat., c. 281, s. 7, subs. 5, amended.

(2) Subsection 5 of the said section 7 is amended by adding at the end thereof the words "and the cost thereof shall be deemed to be part of the administration expenses of the Commission," so that the subsection shall read as follows:

Renumeration. (5) The members of the advisory council shall be paid such per diem allowance and travelling expenses as the Lieutenant-Governor in Council shall from time to time decide and the cost thereof shall be deemed to be part of the administration expenses of the Commission.

Rev. Stat., c. 281, s. 18, cl. a, amended,

2. Clause a of section 18 of *The Power Commission Act* is amended by striking out the words "as provided in section 49"

in the second and third lines, so that the clause shall read as follows:

- (a) towards repayment of advances made by the Province of Ontario to the Commission and towards the retirement of other indebtedness incurred or assumed by the Commission.
- 3. The Power Commission Act is amended by adding thereto Rev. Stat., c. 281, amended.
 - 26a.—(1) The powers of the Commission under clause Frequency b of section 26 with respect to the electrical equip-tion by ment, apparatus, appliances, devices and works of municipal commission or municipal commission supplies electrical power or energy which is supplied to it by the Commission may, with the assent of the Commission, be exercised by the municipal corporation or municipal commission.
 - (2) Where pursuant to subsection 1 the powers are Where exercised by a municipal corporation or municipal may bear commission in respect of the electrical equipment, cost. apparatus, appliances, devices or works mentioned in clause d of section 26, the Commission may bear the expense thereof.
 - (3) Where pursuant to subsection 1 the powers are exer-Where cost cised by a municipal corporation or municipal com-apportioned. mission in respect of electrical equipment, apparatus, appliances, devices or works other than those mentioned in clause *d* of section 26, such portion of the expense as the Commission could have charged to and collected from owners of the electrical equipment, apparatus, appliances, devices or works if the Commission had exercised the powers itself, may, with the assent of the Commission, be charged to and collected from the owners by the municipal corporation or municipal commission and the balance borne by the Commission.
- 4. Section 41 of *The Power Commission Act* is amended by Rev. Stat., inserting after the word "Act" in the first line the words "or amended. by *The Niagara Development Act*, 1951", so that the section shall read as follows:
 - 41. The compulsory powers conferred by this Act or Extent of by *The Niagara Development Act, 1951* shall extend expropriato land, works, rights, powers, privileges and property notwithstanding that they are or may be deemed 1951, c. 55. to be devoted to a public use or that the owner thereof possesses the power of taking land compulsorily, and

notwithstanding and regardless of the origin, nature and source of the owner's title thereto, and of the manner whereby it was acquired by the owner or any of his predecessors in title.

Rev. Stat., c. 281, s. 46, amended. 5. Section 46 of *The Power Commission Act* is amended by striking out all the words after the word "Act" in the fourth line and inserting in lieu thereof the words "and of *The Niagara Development Act*, 1951, and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act", so that the section shall read as follows:

Government authorized to raise funds for work of Commission. Rev. Stat., c. 299.

1951, c. 55.

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Provincial Loans Act* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act*, 1951, and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

Rev. Stat., c. 281, s. 49, subs. 1, amended.

6. Subsection 1 of section 49 of *The Power Commission Act* is amended by inserting after the word "Commission" in the first line the words "before the 1st day of January, 1951", so that the subsection, exclusive of the schedule, shall read as follows:

Repayment of advances made before 1st January, 1951. (1) The advances received by the Commission before the 1st day of January, 1951, under the authority of sections 46, 47 and 48 shall be repayable as follows:

Rev. Stat., c. 281, s. 50, amended. 7. Section 50 of *The Power Commission Act* is amended by inserting after the word "Commission" in the first line the words "in respect of advances received by it before the 1st day of January, 1951", so that the section shall read as follows:

Payment to Province of interest and charges in respect of advances made before 1st January, 1951. 50. The Commission in respect of advances received by it before the 1st day of January, 1951, shall pay annually to the Treasurer of Ontario, as interest on the indebtedness of the Commission to the Province, such sum as may be from time to time determined by the Lieutenant-Governor in Council to be sufficient to reimburse the Province the full amount of interest paid by the Government on moneys raised for the purposes of the Commission and the charges incurred by the Government in providing such money.

- 8. The Power Commission Act is amended by adding thereto Rev. Stat., the following section:
 - 50a. All advances made by the Province to the Com-Advances mission after the 1st day of January, 1951, shall on terms and be made on such terms and conditions as may be agreed upon agreed upon between the Commission and the Treasurer of Ontario, and without limiting the generality of the foregoing, the Commission in consideration of any advance, may,
 - (a) issue and deliver to the Treasurer of Ontario notes, bonds, debentures or other securities of the Commission for the same principal amount, maturing on the same date or dates, bearing interest at the same rate or rates and payable as to both principal and interest in the same currency or currencies as the debentures or other securities of the Province issued for the purpose of raising the moneys advanced by the Province to the Commission, and containing such other terms and conditions, if any, as to redemption in advance of maturity or otherwise as the Treasurer of Ontario may approve; and
 - (b) agree to reimburse the Province all charges and expenses incurred or to be incurred by the Province in connection with the creation and issue of such debentures or other securities of the Province and the payment from time to time of the interest thereon and of the principal thereof whether at maturity or on redemption prior to maturity and of the amount of the premium, if any, on redemption, and such other charges and expenses as the Province may incur.
- 9. -(1) Subsection 2 of section 51 of *The Power Commission* Rev. Stat., c. 281, s. 51, Act is amended by adding thereto the following clause:
 - (aa) payment in whole or in part of any notes, bonds, debentures or other securities of the Commission issued and delivered to the Treasurer of Ontario in respect of any advances from the Province to the Commission.
- (2) Clause e of subsection 2 of the said section 51 is amended Rev. Stat., by inserting after the figures "59" in the fourth line the words subs. 2, "or carrying out any of the powers and purposes of the Com-amended. mission referred to in *The Niagara Development Act*, 1951", so that the clause shall read as follows:
 - (e) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 28, 38 and

1951, c. 55.

84 or in respect of the acquisition or construction of works referred to in section 59 or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act*, 1951, providing in whole or in part for expenditures of the Commission made or to be made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

Rev. Stat., c. 281, s. 66, amended. 10. Section 66 of *The Power Commission Act* is amended by adding thereto the following subsection:

Areas fixed as of May 1, 1951.

(12) Notwithstanding anything in this section, no areas shall be established nor the boundaries of any established area enlarged or altered after the 1st day of May, 1951.

Rev. Stat., c. 281, s. 107, re-enacted. 11. Section 107 of *The Power Commission Act* is repealed and the following substituted therefor:

Insurance by municipalities. 107.—(1) Subject to subsections 2, 3 and 7, every municipal corporation and municipal commission supplied with electrical power or energy by the Commission shall maintain insurance against liability for bodily injury and property damage arising from the operation of an electrical utility in such amount and upon such terms as the Commission directs.

Insurance fund.

(2) A municipal corporation or municipal commission may, with the approval of the Commission, establish in lieu of such insurance a fund sufficient in the opinion of the Commission to protect the municipal corporation or municipal commission against the liability and thereupon it shall not be necessary for it to comply with subsection 1.

Where insurance not necessary.

- Rev. Stat., c. 430.
- (3) If a municipal corporation or municipal commission is in schedule 1 of the regulations made under *The Workmen's Compensation Act* and is paying assessments to the Workmen's Compensation Board, it shall not be necessary for it to maintain insurance against liability for bodily injury to its employees.

Group insurance for municipalities, Rev. Stat., c. 183.

(4) Notwithstanding anything in *The Insurance Act* or in any other Act, the Commission may effect insurance on behalf of municipal corporations or municipal commissions which it supplies with electrical power or energy against liability for bodily injury and property damage arising from the operation of an electrical utility.

- (5) The contract of insurance effected under subsection Commission 4 may, if desired by the Commission, include the group commission as a party insured against liability and may protect more than one municipal corporation or municipal commission.
- (6) The cost of insurance effected under subsection 4 How cost shall, except in so far as it is for the protection of the Commission, be chargeable to the protected municipal corporations or municipal commissions as part of the cost of power payable by them.
- (7) Where a municipal corporation or municipal com-Where insurance mission is an insured party under a contract of insur-under subs. 1 ance effected under subsection 4, it shall not be sary. necessary for it to comply with subsection 1.
- 12. Clause e of section 111 of *The Power Commission Act* Rev. Stat., c. 281, s. 111, is repealed and the following substituted therefor:
 - (e) in the purchase of debentures or other securities of purchase of the Dominion of Canada or of the Province of Ontario, securities or in securities guaranteed as to principal and interest by either of them.
- 13. This Act shall come into force on the day it receives the $_{\rm ment.}^{\rm Commence}$ Royal Assent.
- 14. This Act may be cited as *The Power Commission Amend-*Short title. *ment Act, 1951.*

CHAPTER 80

An Act respecting Rural Telephone Systems

Assented to April 5th, 1951.

Session Prorogued April 5th, 1951.

WHEREAS it is in the public interest that the telephone Preamble. systems serving the inhabitants of the rural parts of Ontario be improved, extended and co-ordinated; and whereas it is deemed expedient to charge the Commission with the duty of promoting these objects in the manner hereinafter provided;

Therefore, His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. In this Act,

Interpretation.

(a) "Commission" means The Hydro-Electric Power Commission of Ontario;

Rev. Stat., c. 387.

(b) "company" has the same meaning as in The Telephone Act.

Duties and powers of Commission.

- 2.—(1) The Commission shall,
 - (a) inquire into and survey the ways and means by which the objects of this Act may be promoted;
 - (b) furnish such information and advice as may be helpful in promoting the objects of this Act;
 - (c) co-operate with and assist the companies in promoting the objects of this Act and for such purpose may make the services of its engineers, technicians and workmen available to the companies or any of them and may purchase for and sell to the companies or any of them such materials and equipment as may be requested;
 - (d) do whatever else is necessary in its opinion to promote the objects of this Act.

Assistance.

(2) The Commission, with the approval of the Lieutenant-Governor in Council, may require the Department of Lands and Forests, the Ontario Northland Transportation Commission or any other department, branch, board, commission or agency of the Crown in right of Ontario to collaborate with and assist it in carrying out its duties under this Act.

Payment to Commission 3. The Lieutenant-Governor in Council may authorize the Treasurer of Ontario to pay to the Commission out of the Consolidated Revenue Fund such moneys as the Commission may require in the performance of its duties or in the exercise of its powers under this Act.

The Ontario Telephone Account. 4. The Commission shall open an account to be styled "The Ontario Telephone Account" into which shall be paid all moneys paid to the Commission by the Treasurer of Ontario under section 3 and to which shall be charged the costs and expenses of the Commission incurred under this Act, including charges to compensate the Commission for the services of its officers and other employees rendered under this Act and including the portion of the total administrative expenses of the Commission that have been incurred by reason of this Act.

Commission not to spend unless money on hand. 5. The Commission shall not spend or lend any money or incur any obligation for the purposes of this Act unless it has in hand the money therefor after providing for costs and expenses referred to in section 4.

Rev. Stat., c. 281, ss. 11, 12 not to apply. 6. Sections 11 and 12 of *The Power Commission Act* shall not apply to the receipts and expenditures of the Commission under this Act.

- 7. On or before the 1st day of November in each year the Annual Commission shall furnish the Lieutenant-Governor in Council statement. with an estimate of the moneys required under section 3 during the next ensuing fiscal year of the Commission and a statement of The Ontario Telephone Account for the next preceding fiscal year of the Commission.
- 8. This Act shall come into force on a day to be named by $_{\rm ment.}^{\rm Commence}$ the Lieutenant-Governor by his Proclamation.
- 9. This Act may be cited as *The Rural Telephone Systems* Short title. *Act*, 1951.

ORDERS IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Orders in Council.

CO-OPERATIVE SYSTEMS

VILLAGES	Maidstone
Eganville	Mariposa
Wasaga Beach Oct. 16, 1951	MaryboroughJuly 19, 1951
	Montague
Townships	Monteagle & Herschel July 19, 1951
Ancaster Sept. 11, 1951	Murray
Anderdon	Nelson
Bangor, Wicklow, and McClure July 19, 1951	Nottawasaga April 17, 1951
Bayham Dec. 19, 1951	OpsNov. 12, 1951
	Otonabee
Clarence	Pakenham
Corpyall May 9 1951	Pickering
Crosby South April 30, 1951	Plantagenet NorthFeb. 20, 1951
Crosby South	Puslinch
	Ramsay
Euphrasia Sept. 11, 1951	Ridout Sept. 11, 1951
Fitzroy	ThoroldOct. 30, 1951
Humberstone Mar. 8, 1951	ThoroldOct. 31, 1951
Huntley May 28, 1951	TossorontioJan. 9, 1952
Innief1 Ian 22 1051	Williamsburg
Innisfil	Winchester
Joly Sept. 11, 1951 Logan Sept. 27, 1951	WollastonJan. 29, 1951
Logan	TOTAL CONTROL OF THE PARTY OF T

CORPORATIONS

Aluminum Company of Canada, Limited	Nov. 23, 1951
Atlas Steels Limited	Aug. 2, 1951
Bata Shoe Company of Canada Limited	Jan. 29, 1951
Bata Shoe Company of Canada Limited	Feb. 6, 1951
Canada Starch Company Limited	Dec. 5, 1951
Canada Talc Industries Limited	Jan. 8, 1952
Canadian Carborundum Company Limited	Sept. 11, 1951
Canadian Gypsum Company Limited	Jan. 29, 1951
Canadian Oil Refineries Limited	April 23, 1931
Deloro Smelting & Refining Company, Limited	June 8, 1951
Dominion Magnesium Limited	July 20, 1951
Dow Chemical of Canada, Limited	Nov. 21, 1951

Electro Metallurgical Company of Canada, Limited.	Ian	20 105	1
Gair Company Canada, Limited (Campbellford)	Jan.	24, 193	1
Gair Company Canada, Limited (Frankford)			
Gair Company Canada, Limited (Campbellford)			
Gair Company Canada, Limited (Frankford)	Oct.	30, 195	1
Hayes Steel Products, Limited	Feb.	13, 195	1
His Majesty the King in right of Canada, herein represented by the Minister of			
National Defence for the Dominion of Canada.	June	27, 195	1
His Majesty the King in right of Canada, herein represented by the Minister of			
National Defence for the Dominion of Canada	Sept.	21, 195	1
National Defence for the Dominion of Canada	Jop	-1, 100	
National Defence for the Dominion of Canada	Oct	3 195	1
Kennedy, The William & Sons, Limited			
Light Alloys Limited			
Lionite Abrasives Limited			
McKinnon Industries, Limited			
North American Cyanamid Limited	Aug.	2, 195	1
Norton Company	Sept.	27, 195	1
Ontario Paper Company Limited	July	5, 195	1
Roe, A. V., Canada Limited	Mar.	28, 195	1
Roe, A. V., Canada Limited	Oct.	11, 195	51
St. Mary's Cement Company, Limited	Mar.	9, 195	1
Sheaffer, W. A., Pen Company of Canada Limited	Sept.	26, 195	51
Somerville Limited	Feb.	14, 195	1
Steel Company of Canada, Limited	A119.	9, 195	1
Strathcona Paper Company, Limited	Nov.	13, 195	51
Suzorite Company Limited	Mar	1, 195	51
Theresa Gold Mines Limited			
Theresa Gold Mines Dimited	copt.	10, 100	

NORTHERN ONTARIO PROPERTIES

Towns	Morson
HearstJan. 9, 1952	Nipissing
Sturgeon Falls	Ratter and DunnetApril 23, 1951
Townships	West Ferris
Armstrong Sept. 11, 1951	IMPROVEMENT DISTRICT
Calvert	

CORPORATIONS

Aquarius Porcupine Gold Mines Limited	Aug 28 1951
Armistice Gold Mines Limited	Aug 2 1051
Didward Violator Cald Mines Limited	L
Bidgood Kirkland Gold Mines Limited	June 21, 1951
Campbell Red Lake Mines Limited	April 23, 1951
Cathroy Larder Mines Limited	June 27, 1951
Central Patricia Gold Mines Limited	April 23, 1951
Cobalt Lode Silver Mines Limited (Mill No. 104)	Oct. 3, 1950
Cobalt Lode Silver Mines Limited (Peterson Lake Properties)	Oct. 3, 1950
Cobalt Lode Silver Mines Limited (Mill No. 104)	Oct. 30, 1951
Cobalt Lode Silver Mines Limited (Peterson Lake Properties)	Oct. 30, 1951
Cobalt Lode Silver Mines Limited (Brady Lake Mine)	Nov. 12, 1951
East Rim Nickel Mines Limited	April 17, 1951
Golden Arrow Mines Limited	July 19, 1951
Goldhawk Porcupine Mines Limited	July 19, 1951
Hellens Mining and Reduction Company Limited	Dec. 5, 1951
Huronian Company Limited and The International Nickel Company of Ca	nada
Limited	
KVP Company Limited	
Mattawa Electric Light and Power Company Limited	Oct 30 1951
Novi Ison Mino Light and Tower Company Emitted	· April 22 1051
New Jason Mines Limited	
Newlund Mines Limited	
New Morrison Mines Limited	
Silver-Miller Mines Limited	April 30, 1951

LIST OF ABBREVIATIONS

A.T.S.	—Autotransformer Station	kwh	kilowatt-hour(s)
d-c	—direct current	min	minimum
D.S.	—Distributing Station	N.O.P.	—Northern Ontario Properties
F.C. & T.S	.—Frequency-Changer and Trans-	ph	—phase
	former Station	psig	-pounds per square inch gauge
G.S.	—Generating Station	rpm	—revolutions per minute
H-E.P.C.	—The Hydro-Electric Power		
	Commission of Ontario	S.O.S.	—Southern Ontario System
H-E.S.	Hydro-Electric System	Stn	—Station
hp	—horsepower	T.B.S.	—Thunder Bay System
		T.S.	—Transformer Station
	—Junction	Twp.	—Township
Jct. kv	-kilovolt(s)	v	volt
	-kilovolt-ampere(s)	V.A.	—Voted Area

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B = Statement "B"—Operating Reports of Municipal Electrical Utilities

C = Statement "C"—Cost of Power to Municipalities and Rates to Customers for Domestic, Commercial light, and Power service

D = Statement "D"—Customers, Revenue and Consumption within Municipal Electrical Utilities

L = Statement of Loads of Municipal Systems

CP = Statement of Cost of Power to Municipalities

SF = Statement of Sinking Fund Payments to Municipalities

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